

Daily Completions/WO Report



**Location Information**

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

**Bottom Hole Targets**

UM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

**Financials**

Daily Cost : \$687

Cost To Date : \$17,788

AFE # : PB18100002

AFE : \$10,772,650

AFE Cost to Date : \$4,713,729

**Report Information**

Report # : 4

Report Date : 7/18/2018

**Well Information**

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

**Elevations**

GL : 2773.00

ft

Reserve Pit Freeboard : 0.00

ft

**Target Formations**

Target Formation

SS Elev.

**Event Details**

Event Objective : Frac

Event Sub Type : Frac

Start :

Finish :

Workover # :

Plugback : 0.00

Tubing Config. :

Prod. Through :

Final Status :

**Daily Summary**

Summary (last 24 hrs) :

WO on frac

Current Activity :

WO on frac

Next 24 hrs :

WO on frac

**Time Breakdown**

Day Start Time : 00:00

Total Hours : 24.00

Time Code : Pre Frac

Start Time	End Time	Hours	Phase	Time Code	Description	NPT	Time Code
00:00	00:00	24.00	COMP	05	Pre Frac Well Prep	No	WO on frac

**Personnel Hours**

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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**Rig Information**

Daily NPT Cost : 0.00

Cum Rig Hours : 0.00

Rigs For Today :

KB Elevation : 2773.00

ft

KB To GL : 0.00

ft

**Safety**

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

**Contacts**

Supervisor :

Phone :

Superintendent :

Phone :

**Comments**

**Attachments**

Daily Attachment Folder(s)

P2 Energy Solutions Alberta, ULC

5.6.2

July 19, 2018 08:05:12

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## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	4	Daily Cost :	\$687
Report Date :	7/18/2018	Cost To Date :	\$17,788
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,713,729

<b>Event Details</b>			
Event Objective : <input type="text" value="Frac"/>			
Start :	<input type="text"/>	Finish :	<input type="text"/>
		Workover # :	<input type="text"/>

[illegible]

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl

Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost :

\$687

Cost To Date :

\$18,475

AFE # :

PB18100002

AFE :

\$10,772,650

AFE Cost to Date :

\$4,714,416

Report Information

Report # :

5

Report Date :

7/19/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2773.00

ft

Reserve Pit Freeboard :

0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective :

Frac

Event Sub Type :

Frac

Start :

Finish :

Workover # :

Plugback :

0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

WO on frac

Current Activity :

WO on frac

Next 24 hrs :

WO on frac

Time Breakdown

Day Start Time :

00:00

Total Hours :

24.00

Time Code :

Pre Frac

Start Time	End Time	Hours	Phase	Time Code	Activity	NPT	Time Code
					Description		
00:00	00:00	24.00	COMP	05	Pre Frac Well Prep	No	WO on frac

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :

0.00

Cum Rig Hours :

0.00

Rigs For Today :

KB Elevation :

2773.00

ft

KB To GL :

0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

P2 Energy Solutions Alberta, ULC

5.6.2

July 20, 2018 08:05:13

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## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	5	Daily Cost :	\$687
Report Date :	7/19/2018	Cost To Date :	\$18,475
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,714,416

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
<div> <div> <div></div> <div></div> </div> </div>						

Hauled In (bbl) :

0.0

Hauled Out (bbl):

0.0

Pumped (bbl):

0.0

Recovered (bbl):

0.0

Left To Recover (bbl):

0.0

Surface Balance (bbl):

0.0

Day Total :

0.0

To Date :

0.0

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl



# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$7,924	Cost To Date :	\$26,616
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$4,722,557

## Report Information

Report # :	6	Report Date :	7/20/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :	Frac	Event Sub Type :	Frac				
Start :		Finish :		Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :		Final Status :			

## Daily Summary

Summary (last 24 hrs) :

11:00 Safety meeting held.  
11:02 MIRU WadeCo Acid Services  
11:05 Pressure test lines to 10,964 psi ? Test successful  
11:07 Open well start pumping water to pressure up the casing  
11:08 Test casing to 4,000 psi for 1 minute. Test successful  
11:10 Test casing to 5,000 psi for 1 minute. Test successful  
11:12 Test casing to 8,000 psi for 5 minutes. Test successful  
11:18 Test casing to 8,500 psi for 5 minutes. Test successful  
11:24 Increase rate to open  
11:27 Toe opened at 11,393 psi.  
Increased rate to 6.3 bpm @ 9,003 psi; Pumped 107 bbl. into formation  
11:52 ISIP = 10,108 psi  
05 min @ 8,400 psi  
10 min @ 7,600 psi  
15 min @ 6,200 psi  
12:20 Well is secure  
12:30 RDMO

Current Activity :

WO FRAC

Next 24 hrs :

WO FRAC

## Time Breakdown

Day Start Time : 06:00 Total Hours : 18.00 Time Code : Pre Frac

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
06:00	11:00	5.00	COMP	04	No Activity	No	WO ON TOE OPEN
11:00	12:30	1.50	COMP	05	Pre Frac Well Prep	No	OPEN TOE
12:30	00:00	11.50	COMP	04	No Activity	No	WO ON FRAC

## Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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## Rig Information

Daily NPT Cost :	0.00
Cum Rig Hours :	0.00
Rigs For Today :	
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

## Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

## Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

## Comments

## Attachments

Daily Attachment Folder(s)
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## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	6	Daily Cost :	\$7,924
Report Date :	7/20/2018	Cost To Date :	\$26,616
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,722,557

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost : \$687

Cost To Date : \$27,303

AFE # : PB18100002

AFE : \$10,772,650

AFE Cost to Date : \$4,723,244

Report Information

Report # : 7

Report Date : 7/21/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2773.00

ft

Reserve Pit Freeboard : 0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective : Frac

Event Sub Type : Frac

Start :

Finish :

Workover # :

Plugback : 0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

WO ON FRAC

Current Activity :

WO ON FRAC

Next 24 hrs :

WO ON FRAC

Time Breakdown

Day Start Time : 00:00

Total Hours : 24.00

Time Code : Pre Frac

Start Time	End Time	Hours	Phase	Time Code	Activity	NPT	Time Code
					Description		
00:00	00:00	24.00	COMP	04	No Activity	No	WO ON FRAC

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 0.00

Cum Rig Hours : 0.00

Rigs For Today :

KB Elevation : 2773.00

ft

KB To GL : 0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	7	Daily Cost :	\$687
Report Date :	7/21/2018	Cost To Date :	\$27,303
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,723,244

<b>Event Details</b>			
Event Objective : <input type="text" value="Frac"/>			
Start :	<input type="text"/>	Finish :	<input type="text"/>
		Workover # :	<input type="text"/>

[illegible]

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl

# Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UWI

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost :

\$15,953

Cost To Date :

\$43,658

AFE # :

PB18100002

AFE :

\$10,772,650

AFE Cost to Date :

\$4,739,599

Report Information

Report # :

7

Report Date :

8/6/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2773.00

ft

Reserve Pit Freeboard :

0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective :

Frac

Event Sub Type :

Frac

Start :

Finish :

Workover # :

Plugback :

0.00

Tubing Config.:

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

Begin MIRU Frac, WL, WT, FB

Current Activity :

MIRU all Stim parties

Next 24 hrs :

Start 24 hr frac operations

Time Breakdown

Day Start Time :

00:00

Total Hours :

24.00

Time Code :

Start Time	End Time	Hours	Phase	Time Code	Activity	NPT	Time Code
					Description		
00:00	00:00	24.00	COMP	01	MIRU/ RDMO	No	Begin MIRU Frac, WL, WT, FB

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :

0.00

Cum Rig Hours :

0.00

Rigs For Today :

KB Elevation :

2773.00

ft

KB To GL :

0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

P2 Energy Solutions Alberta, ULC

5.6.2

August 07, 2018 08:04:50

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## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	7	Daily Cost :	\$15,953
Report Date :	8/6/2018	Cost To Date :	\$43,658
		A/E # :	PB18100002
		A/E :	\$10,772,650
		A/E Cost to Date :	\$4,739,599

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

# Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Report Information

Report # : 7

Report Date : 8/7/2018

Well Information

Design : Horizontal

Well Type : Oil

Elevations

GL : 2773.00

ft

Reserve Pit Freeboard : 0.00

ft

Event Details

Event Objective : Frac

Event Sub Type : Frac

Start :

Finish :

Workover # :

Plugback : 0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

Begin MIRU Frac, WL, WT, FB

Current Activity :

MIRU all Stim parties

Next 24 hrs :

Start 24 hr frac operations

Time Breakdown

Day Start Time : 00:00

Total Hours : 24.00

Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	00:00	24.00	COMP	01	MIRU/ RDMO	No	Begin MIRU Frac, WL, WT, FB

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 0.00

Cum Rig Hours 0.00

Rigs For Today :

KB Elevation : 2773.00

ft

KB To GL : 0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	7	Daily Cost :	\$15,953
Report Date :	8/7/2018	Cost To Date :	\$43,658
		A/E # :	PB18100002
		A/E :	\$10,772,650
		A/E Cost to Date :	\$4,739,599

**Event Details**

Event Objective :

Start :

Finish :

Workover # :

[illegible]

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent
<div> <div> <div>Gas</div> <div> <div>Today : 0.0 Mcft</div> <div>To Date : 0.0 Mcft</div> </div> </div> <div> <div>Oil</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Water</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Sand</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> </div>											



# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$58,058	Cost To Date :	\$101,716
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$4,797,657

## Report Information

Report # :	8	Report Date :	8/8/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :	Frac	Event Sub Type :	Frac				
Start :		Finish :		Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :		Final Status :			

## Daily Summary

Summary (last 24 hrs) :

00:00 MIRU Pumpco frac  
19:35 Begin Frac Stage #1  
OWH: 1840 psi Break at 7940 psi at 80 bpm  
Pump 3000 gals of 15% HCL - 7929 bbls (Clean) pumped  
ISIP: 5180 psi FG: 0.9 psi/ft  
MP: 10990 psi MR: 66.1 bpm AP: 10435 psi AR: 55.3 bpm MPC: 1.75 ppg  
Tot 100: 50040 lbs. Tot 40/70: 204500 lbs  
FR - 697 gal; SI - 146 gal; Bio - 180 gal; Surf - 140 gal; SSI – 150 lbs  
23:56 Frac Stage #1 Complete  
Stage pumped as designed, Max Rate 66 bpm, Max ACE HVFR 1.75

Total NPT – 0.00 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:

	Yesterday	Today
UNIVERSITY 20 4701	Csg/2100 psi	Csg/2100 psi
UNIVERSITY 20 4702	Csg/2648 psi	Csg/2648 psi
UNIVERSITY 38-20 2H	Csg/1800 psi	Csg/1800 psi
UNIVERSITY 35-20 1H	Csg/0000 psi	Csg/0000 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

## Time Breakdown

Day Start Time :	00:00	Total Hours :	24.00	Time Code :	
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Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	18:00	18.00	COMP	01	MIRU/ RDMO	No	Continue MIRU of Pumpco and PerfX equipment
18:00	19:40	1.67	COMP	01	MIRU/ RDMO	No	Pressure test pumps & lines.
19:40	20:09	0.48	COMP	03	Frac Ops Pumping	No	Injection Test
20:09	20:15	0.10	COMP	07	Handover	No	Drop Packers plus Ball 2. 688"
20:15	23:56	3.68	COMP	03	Frac Ops Pumping	No	Frac Stage # 1
23:56	00:00	0.07	COMP	07	Handover	No	Drop Packers plus Ball 2. 813"

## Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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## Rig Information

Daily NPT Cost :	0.00
Cum Rig Hours :	0.00
Rigs For Today :	
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

## Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

## Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

## Comments

**Attachments**

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	8	Daily Cost :	\$58,058
Report Date :	8/8/2018	Cost To Date :	\$101,716
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,797,657

Event Details

Event Objective :

Frac

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)

Hauled In (bbl) :

Day Total : 0.0

To Date : 0.0

Hauled Out (bbl):

Day Total : 0.0

To Date : 0.0

Pumped (bbl):

Day Total : 0.0

To Date : 0.0

Recovered (bbl):

Day Total : 0.0

To Date : 0.0

Left To Recover (bbl):

Day Total : 0.0

To Date : 0.0

Surface Balance (bbl):

Day Total : 0.0

To Date : 0.0

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$185,306	Cost To Date :	\$287,022
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$4,982,963

## Report Information

Report # :	9	Report Date :	8/9/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :		Frac		Event Sub Type :		Frac	
Start :		<input type="text"/>		Finish :		<input type="text"/>	
Workover # :		<input type="text"/>		Plugback :		<input type="text" value="0.00"/>	
Tubing Config. :		<input type="text"/>		Prod. Through :		<input type="text"/>	
Final Status :		<input type="text"/>					

## Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38-47 601H Completions 8/08/18 00:00 8/09/18 00:00 Pumpco HQDC4		
00:00 Pump maint. NPT – 0.5 hrs		
00:30-02:00 Isolation tool crown valve failed to open, bad seal ring. NPT – 1.5 hrs		
02:00-02:41 1x2" Bleed valves leaking during pressure test. NPT 0.68 hrs.		
2:41 Begin Frac Stage #2		
OWH: 4400 psi Break at 8940 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11061 bbls (Clean) pumped		
ISIP: 5970 psi FG: 0.97 psi/ft 5 min: N/A		
MP: 10650 psi MR: 69.9 bpm AP: 9888 psi AR: 56 bpm MPC: 2 ppg		
Tot 100: 110250 lbs. Tot 40/70: 301480 lbs		
FR - 1050 gal; SI - 149 gal; Bio - 239 gal; Surf - 102 gal; SSI 150 lbs.		
6:36 Frac Stage #2 Complete		
Sand placed as per design. Max FR conc 3.0 gpt.		
7:41 Packers plus ball drop 2.938 Stage #3		
Shift sleeves as follows:		
21148' - 21145' , 21107' - 21104' , 21065' - 21062' , and 21023' - 21020'		
07:51-08:14- Safety stand down with management.		
8:14 Begin Frac Stage #3		
OWH: 4440 psi Break at 8490 psi at 10 bpm		
Pump 2000 gals of 15% HCL - 10956 bbls (Clean) pumped		
ISIP: 6270 psi FG: 1 psi/ft 5 min: N/A psi		
MP: 11430 psi MR: 70.4 bpm AP: 10700 psi AR: 61.8 bpm MPC: 2 ppg		
Tot 100: 102360 lbs. Tot 40/70: 299540 lbs		
FR - 1210 gal; SI - 128 gal; Bio - 226 gal; Surf - 167 gal; SSI-150 lbs		
11:59 Frac Stage #3 Complete		
Stage pumped as designed, Max Rate 70 bpm, Max ACE HVFR 3.0 GPT		
12:10 PackersPlus ball drop 3.063"		
12:10 Trouble with greens crown valve failed to close, replace crown valve. NPT – 7.3 hrs		
19:30 Testing pumps & lines, Replaced bleed off valves NPT – 0.63 hrs		
Shift sleeves as follows:		
20979' - 20982' , 20937' - 20940' , 20895' - 20898' , and 20853' - 20856'		
20:05 Begin Frac Stage #4		
OWH: 4160 psi Break at 8900 psi at 10 bpm		
Pump 2000 gals of 15% HCL		
Stage in progress at report time.		
Total NPT – 10.11 hrs		
WL BHA Assembly		
Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50
Offset Wells:		
	Yesterday	Today
UNIVERSITY 20 4701	Csg/2100 psi	Csg/2100 psi
UNIVERSITY 20 4702	Csg/2648 psi	Csg/2850 psi*
UNIVERSITY 38-20 2H	Csg/1800 psi	Csg/2875 psi***
UNIVERSITY 35-20 1H	Csg/0000 psi	Csg/200 psi*

Current Activity :

24 hr Frac Operations
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Next 24 hrs :

24 hr Frac Operations
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## Time Breakdown

Day Start Time : 00:00 Total Hours : 24.00 Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	00:30	0.50	COMP	35-030	Frac - Pump Maintenance	Yes	Pump maint. packing

00:30	02:00	1.50	COMP	35- 080	Wellhead Failure	Yes	Crown valve not opening , bad bonnet seal ring
02:00	02:41	0.68	COMP	35- 010	Frac - Frac Iron	Yes	1x2" Bleed valves leaking during pressure test.
02:41	06:36	3.92	COMP	03	Frac Ops Pumping	No	Frac Stage # 2
06:36	07:41	1.08	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance
07:41	07:51	0.17	COMP	07	Handover	No	Drop Packers plus Ball 2. 938"
07:51	08:14	0.38	COMP	07	Handover	No	Safety meeting with managment
08:14	11:59	3.75	COMP	03	Frac Ops Pumping	No	Frac stage # 3
11:59	12:10	0.18	COMP	07	Handover	No	Drop Packers plus Ball 3. 063"
12:10	19:30	7.33	COMP	35- 080	Wellhead Failure	Yes	Trouble closing crown valve. Replace valve.
19:30	20:08	0.63	COMP	35- 010	Frac - Frac Iron	Yes	P & T/ P & L/ PT crown valve,
20:08	00:00	3.87	COMP	03	Frac Ops Pumping	No	Frac stage # 4

Personnel Hours				
Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours

<b>Rig Information</b>	<b>Safety</b>	<b>Contacts</b>
Daily NPT Cost : <input type="text" value="7813.33"/>	Last Sr Inspect : <input type="text"/>	Supervisor : <input type="text"/>
Cum Rig Hours : <input type="text" value="7813.33"/>	Last BOP Test : <input type="text"/>	Phone : <input type="text"/>
Rigs For Today : <input type="text" value="Pumpco #2"/>	Accident Free Day : <input type="text"/>	Superintendent : <input type="text"/>
KB Elevation : <input type="text" value="2773.00"/> ft	Last Safety Meeting : <input type="text"/>	Phone : <input type="text"/>
KB To GL : <input type="text" value="0.00"/> ft	Meeting Topic : <input type="text"/>	

<b>Comments</b>
<div></div>

<b>Attachments</b>
<div>Daily Attachment Folder(s)</div> <div></div>

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	9	Daily Cost :	\$185,306
Report Date :	8/9/2018	Cost To Date :	\$287,022
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,982,963

Event Details

Event Objective :

Frac

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
<div> <div> <div>Hauled In (bbl) :</div> <div>0.0</div> </div> <div> <div>Hauled Out (bbl):</div> <div>0.0</div> </div> <div> <div>Pumped (bbl):</div> <div>0.0</div> </div> <div> <div>Recovered (bbl):</div> <div>0.0</div> </div> <div> <div>Left To Recover (bbl):</div> <div>0.0</div> </div> <div> <div>Surface Balance (bbl):</div> <div>0.0</div> </div> </div>						
<div> <div> <div>Day Total :</div> <div>0.0</div> </div> <div> <div>To Date :</div> <div>0.0</div> </div> </div>						

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent
<div> <div> <div>Gas</div> <div> <div>Today : 0.0 Mcft</div> <div>To Date : 0.0 Mcft</div> </div> </div> <div> <div>Oil</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Water</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Sand</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> </div>											

# Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost :

\$211,660

Cost To Date :

\$919,537

AFE # :

PB18100002

AFE :

\$10,772,650

AFE Cost to Date :

\$5,615,478

Report Information

Report # :

11

Report Date :

8/11/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2773.00

ft

Reserve Pit Freeboard :

0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective :

Frac

Event Sub Type :

Frac

Start :

Finish :

Workover # :

Plugback :

0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38-47 601H Completions

8/08/18 00:00 8/09/18 00:00 Pumpco

HQDC4

0:01 Begin WL Stage #9

Pump down: 9 bpm at 6660 max psi using 267 bbls

Set Purple Seal CFP at 20126'. PUH and perforate as follows:

20111' - 20109' (8), 20071' - 20069' (8), 20031' - 20029' (8), 19991' - 19989' (8), and 19951' - 19949' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 5:45. Inspected, plug set and all shots fired, dropped ball

Good run. Logged out.

6:00 Begin Frac Stage #9

OWH: 3930 psi Break at 7870 psi at 15 bpm

Pump 2000 gals of 15% HCL - 12203 bbls (Clean) pumped

ISIP: 5120 psi FG: 0.9 psi/ft

MP: 11260 psi MR: 72 bpm AP: 10900 psi AR: 65 bpm MPC: 2 ppg

Tot 100: 112140 lbs. Tot 40/70: 280760 lbs

FR - 790 gal; SI - 200 gal; Bio - 262 gal; Surf - 112 gal; SSI-150 lbs.

10:00 Frac Stage #9 Complete

During 1.5 ppa 40/70 increased fr as pressure increased. Dropped rate to 55 bpm ran sweep. Ramped up sand to 2.0 with max FR conc of 3.0 gpt. All sand placed.

10:15-11:00 Perfx trouble falling, grease locked come off well and troubleshoot. NPT 0.75 hrs.

11:00 Begin WL Stage #10

Pump down: 12 bpm at 6950 max psi using 280 bbls

Set Purple Seal CFP at 19926'. PUH and perforate as follows:

19911' - 19909' (8), 19871' - 19869' (8), 19831' - 19829' (8), 19791' - 19789' (8), and 19751' - 19749' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 14:00. Inspected, plug set and all shots fired, dropped ball

Had trouble falling, Come off well grease locked.

14:00 Begin Frac Stage #10

OWH: 4080 psi Break at 7800 psi at 15 bpm

Pump 2000 gals of 15% HCL - 11330 bbls (Clean) pumped

ISIP: 4890 psi FG: 0.91 psi/ft

MP: 11370 psi MR: 68.7 bpm AP: 10445 psi AR: 60.6 bpm MPC: 2 ppg

Tot 100: 111713 lbs. Tot 40/70: 296540 lbs

FR – 919 gal; SI - 178 gal; Bio - 234 gal; Surf - 112 gal; SSI – 150 lbs

17:57 Frac Stage #10 Complete

All sand placed. At the end of 1.75 ppa 40/70 the pop-off started leaking. Cut sand & SD pumps at the same time the the pop-off body started to wash out. SI pop-off isolation valve (3" wheel valve) and continued stage with a WB Sweep. Brought sand back on at 1.5 ppa for one WB then staged to 2 ppa and completed stage. FR average 2 gpt, max of 3 gpt.

18:14 Begin WL Stage #11

Pump down: 10 bpm at 7550 max psi using 211 bbls

Set Purple Seal CFP at 19726'. PUH and perforate as follows:

19711' - 19709' (8), 19671' - 19669' (8), 18372' - 18370' (8), 18332' - 18330' (8), and 19551' - 19549' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 21:15. Inspected, plug set and all shots fired, dropped ball

Good run.

21:57 Begin Frac Stage #11

OWH: 4060 psi Break at 7260 psi at 15 bpm

Pump 2000 gals of 15% HCL

Currently on 1.00 ppa 40/70 sand, 60 bpm at 10330 psi at report time.

Total NPT – 0.75 hrs

WL BHA Assembly

Description

OD (in)

Length (ft)

Fishing Neck

2.00

1.00

Weight Bar

2.75

7.00

Weight Bar

2.75

7.00

CCL

2.75

1.50

Offset Wells:

Yesterday

Today

UNIVERSITY 20 4701

Csg/2150 psi

Csg/3150 psi\*\*\*

UNIVERSITY 20 4702

Csg/2900 psi

Csg/3500 psi\*\*\*

UNIVERSITY 38-20 2H

Csg/3340 psi

Csg/3575 psi\*\*\*

UNIVERSITY 35-20 1H

Csg/ 200 psi

Csg/ 275 psi\*

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown

Day Start Time : 00:00

Total Hours : 24.00

Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	05:45	5.75	COMP	06	WL Ops Frac	No	Perforate Stage # 9
05:45	06:00	0.25	COMP	07	Handover	No	Swap to Frac
06:00	10:00	4.00	COMP	03	Frac Ops Pumping	No	Frac stage # 9
10:00	10:15	0.25	COMP	07	Handover	No	Swap to WL
10:15	11:00	0.75	COMP	35- 060	Wireline	Yes	WL trouble falling out of lubricator. Come off well and address problem.
11:00	14:00	3.00	COMP	06	WL Ops Frac	No	Perforate Stage # 10
14:00	14:13	0.22	COMP	07	Handover	No	Swap to Frac
14:13	17:59	3.77	COMP	03	Frac Ops Pumping	No	Frac Stage # 10
17:59	18:14	0.25	COMP	07	Handover	No	Swap to WL
18:14	21:15	3.02	COMP	06	WL Ops Frac	No	Perforate Stage # 11
21:15	21:30	0.25	COMP	07	Handover	No	Swap to Frac
21:30	21:58	0.47	COMP	35- 010	Frac - Frac Iron	Yes	Testing new pop- off
21:58	00:00	2.03	COMP	03	Frac Ops Pumping	No	Frac Stage # 11

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 813.33

Cum Rig Hours : 8626.66

Rigs For Today : Pumpco #2

KB Elevation : 2773.00 ft

KB To GL : 0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)



## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	11	Daily Cost :	\$211,660
Report Date :	8/11/2018	Cost To Date :	\$919,537
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,615,478

**Event Details**

Event Objective :

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

Daily Completions/WO Report



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :		Financials	
Report Information		Daily Cost :	Cost To Date :
Report # :	12	Report Date :	8/12/2018
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,993,527

Well Information		Sweet/Sour :		Prospect :	
Design :	Horizontal	Well Type :	Oil		
Elevations		Target Formations			
GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
		Target Formation			
		SS Elev.			

Event Details					
Event Objective :		Event Sub Type :			
Frac		Frac			
Start :		Finish :		Workover # :	
Tubing Config. :		Prod. Through :		Plugback :	0.00
				Final Status :	

Daily Summary	
Summary (last 24 hrs) :	
UL 20 STRIPES 38–47 601H Completions 8/10/18 00:00 8/12/18 00:00 Pumpco HQDC4	
21:57 Begin Frac Stage #11 OWH: 4060 psi Break at 7260 psi at 15 bpm Pump 2000 gals of 15% HCL – 10838 bbls (Clean) pumped ISIP: 5540 psi FG: 0.94 psi/ft MP: 12000 psi MR: 71 bpm AP: 10156 psi AR: 63 bpm MPC: 2 ppg Tot 100: 101937 lbs. Tot 40/70: 304370 lbs FR – 740 gal; SI – 154 gal; Bio – 237 gal; Surf – 90 gal; SSI–150 lbs 1:18 Frac Stage #11 Complete Stage pumped per design. During 0.75 ppa 40/70 sand one of the FR pumps stopped, causing pressure to increase. The pop–off popped. SD pumps momentarily, SI pop–off and continued stage. 1:33 Begin WL Stage #12 Pump down: 12 bpm at 5140 max psi using 200 bbls Set Purple Seal CFP at 19526'. PUH and perforate as follows: 19511' – 19509' (8), 19471' – 19469' (8), 19431' – 19429' (8), 19391' – 19389' (8), and 19351' – 19349' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 4:25. Inspected, plug set and all shots fired, dropped ball Good run. 5:04 Begin Frac Stage #12 OWH: 4140 psi Break at 8040 psi at 15 bpm Pump 2000 gals of 15% HCL – 11033 bbls (Clean) pumped ISIP: 5220 psi FG: 0.91 psi/ft MP: 11200 psi MR: 71 bpm AP: 10498 psi AR: 65 bpm MPC: 2 ppg Tot 100: 98910 lbs. Tot 40/70: 302010 lbs FR – 616 gal; SI – 111 gal; Bio – 231 gal; Surf – 135 gal; SSI–150 lbs 8:23 Frac Stage #12 Complete All sand placed. 8:35 Begin WL Stage #13 Pump down: 12 bpm at 6600 max psi using 266 bbls Set Purple Seal CFP at 19326'. PUH and perforate as follows: 19311' – 19309' (8), 19271' – 19269' (8), 19231' – 19229' (8), 19191' – 19189' (8), and 19151' – 19149' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 11:40. Inspected, plug set and all shots fired, dropped ball Good run no issues. 11:45 Begin Frac Stage #13 OWH: 4390 psi Break at 7510 psi at 15 bpm Pump 2000 gals of 15% HCL – 10735 bbls (Clean) pumped ISIP: 5384 psi FG: 0.91 psi/ft MP: 11300 psi MR: 78 bpm AP: 10404 psi AR: 64 bpm MPC: 2 ppg Tot 100: 105280 lbs. Tot 40/70: 283520 lbs FR – 588 gal; SI – 154 gal; Bio – 211 gal; Surf – 136 gal; SSI – 150 lbs 15:10 Frac Stage #13 Complete Stage pumped as designed. 15:25 Begin WL Stage #14 Pump down: 12 bpm at 8050 max psi using 255 bbls Set Purple Seal CFP at 19126'. PUH and perforate as follows: 19111' – 19109' (8), 19071' – 19069' (8), 19031' – 19029' (8), 18991' – 18989' (8), and 18951' – 18949' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 18:20. Inspected, plug set and all shots fired, dropped ball Good run. 19:10 Begin Frac Stage #14 OWH: 4420 psi Break at 7800 psi at 15 bpm Pump 2000 gals of 15% HCL – 11026 bbls (Clean) pumped ISIP: 5730 psi FG: 0.95 psi/ft MP: 11050 psi MR: 66 bpm AP: 10414 psi AR: 61 bpm MPC: 2 ppg Tot 100: 105840 lbs. Tot 40/70: 301770 lbs FR – 688 gal; SI – 185 gal; Bio – 229 gal; Surf – 205 gal; SSI – 150 lbs 22:36 Frac Stage #14 Complete Stage pumped as designed. 22:51 Begin WL Stage #15 WL RIH at report time.	
WL BHA Assembly	
Description	OD (in) Length (ft)
Fishing Neck	2.00 1.00
Weight Bar	2.75 7.00

Weight Bar	2.75	7.00
CCL	2.75	1.50
Offset Wells:		
UNIVERSITY 20 4701	Yesterday Csg/3150 psi	Today Csg/3375 psi***
UNIVERSITY 20 4702	Csg/3500 psi	Csg/4000 psi***
UNIVERSITY 38–20 2H	Csg/3575 psi	Csg/3350 psi***
UNIVERSITY 35–20 1H	Csg/ 275 psi	Csg/1960 psi***

Current Activity :  
24 hr Frac Operations

Next 24 hrs :  
24 hr Frac Operations

Time Breakdown				Day Start Time : 00:00		Total Hours : 24.00		Time Code :	
Start Time	End Time	Hours	Phase	Activity			Time Code		
				Time Code	Description	NPT			
00:00	01:15	1.25	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 11		
01:15	01:30	0.25	COMP	07	Handover	No	Swap to WL		
01:30	04:25	2.92	COMP	06	WL Ops Frac	No	Perforate Stage # 12		
04:25	05:04	0.65	COMP	07	Handover	No	Swap to Frac set pop off		
05:04	08:23	3.32	COMP	03	Frac Ops Pumping	No	Frac Stage # 12		
08:23	08:35	0.20	COMP	07	Handover	No	Swap to WL		
08:35	11:40	3.08	COMP	06	WL Ops Frac	No	Perforate Stage # 13		
11:40	11:49	0.15	COMP	07	Handover	No	Swap to frac		
11:49	15:10	3.35	COMP	03	Frac Ops Pumping	No	Frac Stage # 13		
15:10	15:25	0.25	COMP	07	Handover	No	Swap to WL		
15:25	18:20	2.92	COMP	06	WL Ops Frac	No	Perforate Stage # 14		
18:20	18:35	0.25	COMP	07	Handover	No	Swap to frac		
18:35	19:10	0.58	COMP	35- 010	Frac - Frac Iron	No	setting pop off		
19:10	22:36	3.43	COMP	03	Frac Ops Pumping	No	Frac Stage # 14		
22:36	22:51	0.25	COMP	07	Handover	No	Swap to WL		
22:51	00:00	1.15	COMP	06	WL Ops Frac	No	Perforate Stage # 15		

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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<b>Rig Information</b>	<b>Safety</b>	<b>Contacts</b>
Daily NPT Cost : 0.00	Last Sr Inspect :	Supervisor :
Cum Rig Hours :8626.66	Last BOP Test :	Phone :
Rigs For Today :Pumpco #2	Accident Free Day :	Superintendent :
KB Elevation :2773.00 ft	Last Safety Meeting :	Phone :
KB To GL :0.00 ft	Meeting Topic :	

Comments

Attachments	
Daily Attachment Folder(s)	

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	12	Daily Cost :	\$378,049
Report Date :	8/12/2018	Cost To Date :	\$1,297,586
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,993,527

Event Details

Event Objective :

Frac

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
<div> <div> <div>Hauled In (bbl) :</div> <div>0.0</div> </div> <div> <div>Hauled Out (bbl):</div> <div>0.0</div> </div> <div> <div>Pumped (bbl):</div> <div>0.0</div> </div> <div> <div>Recovered (bbl):</div> <div>0.0</div> </div> <div> <div>Left To Recover (bbl):</div> <div>0.0</div> </div> <div> <div>Surface Balance (bbl):</div> <div>0.0</div> </div> </div>						
<div> <div> <div>Day Total :</div> <div>0.0</div> </div> <div> <div>To Date :</div> <div>0.0</div> </div> </div>						

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent
<div> <div> <div>Gas</div> <div> <div>Today : 0.0 Mcft</div> <div>To Date : 0.0 Mcft</div> </div> </div> <div> <div>Oil</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Water</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Sand</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> </div>											

# Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	
COST POOL	DB EEX CP	API / License #	
BUDGET AREA	EEX-Block 20	Sec 47, Blk 20, 200' FSEL & 330' FSWL	
Well Name	UL 20 STRIPES 38-47 601H	4249533792	
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	13	Daily Cost :	\$276,680
Report Date :	8/13/2018	Cost To Date :	\$1,574,266
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,270,207

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2773.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

<b>Event Details</b>			
Event Objective :	Frac		Event Sub Type :
Start :		Finish :	
Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :	
Final Status :			

<b>Daily Summary</b>
Summary (last 24 hrs) :
UL 20 STRIPES 38–47 601H Completions 8/12/18 00:00 8/13/18 00:00 Pumpco HQDC4
22:51 Begin WL Stage #15 Pump down: 10 bpm at 6350 max psi using 237 bbls Set Purple Seal CFP at 18926'. PUH and perforate as follows: 18911' – 18909' (8), 18871' – 18869' (8), 18831' – 18829' (8), 18791' – 18789' (8), and 17495' – 17493' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 1:55. Inspected, plug set and all shots fired, dropped ball good run.
2:03 Begin Frac Stage #15 OWH: 4220 psi Break at 297 psi at 15 bpm Pump 2000 gals of 15% HCL – 11081 bbls (Clean) pumped ISIP: 5510 psi FG: 0.93 psi/ft MP: 11000 psi MR: 68 bpm AP: 10231 psi AR: 62 bpm MPC: 2 ppg Tot 100: 105330 lbs. Tot 40/70: 299390 lbs FR – 442 gal; SI – 174 gal; Bio – 226 gal; Surf – 137 gal; SSI– 150 lbs 5:30 Frac Stage #15 Complete All sand placed.
05:45–06:45 Trouble falling come off well clean trash out of flow tubes. 6:45 Begin WL Stage #16 Pump down: 12 bpm at 6690 max psi using 248 bbls Set Purple Seal CFP at 18726'. PUH and perforate as follows: 18711' – 18709' (8), 18671' – 18669' (8), 18631' – 18629' (8), 18591' – 18589' (8), and 18551' – 18549' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 9:17. Inspected, plug set and all shots fired, dropped ball No changes or issues.
9:32 Begin Frac Stage #16 OWH: 4280 psi Break at 8260 psi at 15 bpm Pump 2000 gals of 15% HCL – 10829 bbls (Clean) pumped ISIP: 5300 psi FG: 0.91 psi/ft MP: 10960 psi MR: 75 bpm AP: 10533 psi AR: 68 bpm MPC: 2 ppg Tot 100: 108440 lbs. Tot 40/70: 284520 lbs FR – 579 gal; SI – 127 gal; Bio – 226 gal; Surf – 124 gal; SSI–150 lbs 12:48 Frac Stage #16 Complete Stage pumped to design.
13:06 Begin WL Stage #17 Pump down: 12 bpm at 6200 max psi using 236 bbls Set Purple Seal CFP at 18526'. PUH and perforate as follows: 18511' – 18509' (8), 18471' – 18469' (8), 18431' – 18429' (8), 18391' – 18389' (8), and 17096' – 17094' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 15:37. Inspected, plug set and all shots fired, dropped ball Good Run.
15:52 Frac moved the pop–off to the pump side of check & ground valve. NPT – 0.52 hrs 16:23 Begin Frac Stage #17 OWH: 4270 psi Break at 7830 psi at 15 bpm Pump 2000 gals of 15% HCL – 10829 bbls (Clean) pumped ISIP: 5540 psi FG: 0.94 psi/ft MP: 10800 psi MR: 70 bpm AP: 9865 psi AR: 69 bpm MPC: 2 ppg Tot 100: 102170 lbs. Tot 40/70: 285380 lbs FR – 556 gal; SI – 131 gal; Bio – 239 gal; Surf – 91 gal; SSI – 150 lbs 19:42 Frac Stage #17 Complete Stage pumped to job design.
19:55 Begin WL Stage #18 Pump down: 10 bpm at 5530 max psi using 242 bbls Set Purple Seal CFP at 18326'. PUH and perforate as follows: 18311' – 18309' (8), 18271' – 18269' (8), 18231' – 18229' (8), 18191' – 18189' (8), and 18151' – 18149' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60–deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 22:45. Inspected, plug set and all shots fired, dropped ball Good run.
22:52 Begin Frac Stage #18 OWH: 4520 psi Break at 8020 psi at 15 bpm Pump 2000 gals of 15% HCL Frac in progress at report time.
Total NPT – 0.52 hrs
WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50
Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3375 psi	Csg/3300 psi***
UNIVERSITY 20 4702	Csg/4000 psi	Csg/3650 psi***
UNIVERSITY 38–20 2H	Csg/3350 psi	Csg/3400 psi***
UNIVERSITY 35–20 1H	Csg/1960 psi	Csg/1100 psi***

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time :		00:00	Total Hours :		24.00	Time Code :		
Start Time	End Time	Hours	Phase	Activity				Time Code				
				Time Code	Description	NPT						
00:00	01:55	1.92	COMP	06	WL Ops Frac	No	Perforate Stage # 15					
01:55	02:03	0.13	COMP	07	Handover	No	Swap to Frac					
02:03	05:30	3.45	COMP	03	Frac Ops Pumping	No	Frac Stage # 15					
05:30	05:45	0.25	COMP	07	Handover	No	Swap to WL					
05:45	06:45	1.00	COMP	35- 060	Wireline	Yes	Issues falling, trash is flowtubes.					
06:45	09:17	2.53	COMP	06	WL Ops Frac	No	Perforate Stage # 16					
09:17	09:32	0.25	COMP	07	Handover	No	Swap to Frac					
09:32	12:51	3.32	COMP	03	Frac Ops Pumping	No	Frac stage # 16					
12:51	13:06	0.25	COMP	07	Handover	No	Swap to WL					
13:06	15:37	2.52	COMP	06	WL Ops Frac	No	Perforate Stage # 17					
15:37	15:52	0.25	COMP	07	Handover	No	Swap to Frac					
15:52	16:23	0.52	COMP	35- 010	Frac - Frac Iron	Yes	moved pop- off to pump side.					
16:23	19:40	3.28	COMP	03	Frac Ops Pumping	No	Frac stage # 17					
19:40	19:55	0.25	COMP	07	Handover	No	Swap to WL					
19:55	22:45	2.83	COMP	06	WL Ops Frac	No	Perforate Stage # 18					
22:45	22:59	0.23	COMP	07	Handover	No	Swap to Frac					
22:59	00:00	1.02	COMP	03	Frac Ops Pumping	No	Frac stage # 18					

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 666.67

Cum Rig Hours :9293.33

Rigs For Today :Pumpco #2

KB Elevation :2773.00 ft

KB To GL :0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	13	Daily Cost :	\$276,680
Report Date :	8/13/2018	Cost To Date :	\$1,574,266
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,270,207

Event Details

Event Objective : 

Frac

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

# Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>					
AREA	Permian	<table><tr><td>UWM</td><td>API / License #</td></tr><tr><td>Sec 47, Blk 20, 200' FSEL &amp; 330' FSWL</td><td>4249533792</td></tr></table>		UWM	API / License #	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
UWM	API / License #						
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792						
COST POOL	DB EEX CP						
BUDGET AREA	EEX-Block 20						
Well Name	UL 20 STRIPES 38-47 601H						
Property Number	43STRIPES601						
Prospect :							
<b>Report Information</b>		<b>Financials</b>					
Report # :	14	Daily Cost :	\$274,393				
Report Date :	8/14/2018	Cost To Date :	\$1,848,660				
		AFE # :	PB18100002				
		AFE :	\$10,772,650				
		AFE Cost to Date :	\$6,544,601				

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2773.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

<b>Event Details</b>			
Event Objective :	Frac		Event Sub Type :
Start :		Finish :	
Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :	
Final Status :			

<b>Daily Summary</b>		
Summary (last 24 hrs) :		
UL 20 STRIPES 38–47 601H Completions 8/13/18 00:00    8/14/18 00:00    Pumpco HQDC4		
22:53 Begin Frac Stage #18 OWH: 4520 psi    Break at 8020 psi at 15 bpm Pump 2000 gals of 15% HCL - 12411 bbls (Clean) pumped ISIP: 5570 psi    FG: 0.94 psi/ft MP: 10800 psi    MR: 75 bpm    AP: 9940 psi    AR: 67 bpm    MPC: 1.94630872483221 ppg Tot 100: 102170 lbs.    Tot 40/70: 285380 lbs FR - 706 gal; SI - 255 gal; Bio - 264 gal; Surf - 137 gal; SSI-150 lbs 3:56 Frac Stage #18 Complete During 0.50 ppa 40/70 sand the chem add unit engine failed. ( water pump pully). Well was flushed and secured. After repaired coninued stage starting with 600 bbl pad and resumed sand. NPT - 1.43 hrs 4:08 Begin WL Stage #19 Pump down: 12 bpm at 6630 max psi using 206 bbls Set Purple Seal CFP at 18126'.    PUH and perforate as follows: 18111' - 18109' (8), 18071' - 18069' (8), 18031' - 18029' (8), 17991' - 17989' (8), and 17951' - 17949' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 6:30. Inspected, plug set and all shots fired, dropped ball No issues or changes. 8:31 Begin Frac Stage #19 OWH: 4280 psi    Break at 7860 psi at 15 bpm Pump 2000 gals of 15% HCL - 10928 bbls (Clean) pumped ISIP: 5580 psi    FG: 0.92 psi/ft MP: 11210 psi    MR: 75 bpm    AP: 10500 psi    AR: 69 bpm    MPC: 2 ppg Tot 100: 107570 lbs.    Tot 40/70: 280180 lbs FR - 574 gal; SI - 126 gal; Bio - 223 gal; Surf - 113 gal 11:48 Frac Stage #19 Complete Repair key way    on acid skid. Repair blender discharge slinger and wear plate. NPT 1.75 hrs.    Lost 4 pumps limiting rate to 69 bpm. During flush popoff went off at 11,200 psi.    SD isolate pop off finished flush.    All sand placed to design 12:03 Begin WL Stage #20 Pump down: 12 bpm at 6720 max psi using 240 bbls Set Purple Seal CFP at 17926'.    PUH and perforate as follows: 17911' - 17909' (8), 17871' - 17869' (8), 17831' - 17829' (8), 17791' - 17789' (8), and 17751' - 17749' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 14:11. Inspected, plug set and all shots fired, dropped ball Moved plug up 2' to avoid collar 14:26 Pump maintenance NPT - 0.67 hrs 15:06 Begin Frac Stage #20 OWH: 4430 psi    Break at 8440 psi at 15 bpm Pump 2000 gals of 15% HCL - 10649 bbls (Clean) pumped ISIP: 5420 psi    FG: 0.92 psi/ft MP: 11140 psi    MR: 75 bpm    AP: 9674 psi    AR: 68 bpm    MPC: 2 ppg Tot 100: 106150 lbs.    Tot 40/70: 282460 lbs FR - 615 gal; SI - 73 gal; Bio - 227 gal; Surf - 124 gal; SSI – 150 lbs 18:12 Frac Stage #20 Complete stage pumped as designed. 18:25 Begin WL Stage #21 Pump down: 10 bpm at 6460 max psi using 180 bbls Set Purple Seal CFP at 17726'.    PUH and perforate as follows: 17711' - 17709' (8), 17671' - 17669' (8), 17631' - 17629' (8), 17591' - 17589' (8), and 17551' - 17549' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 21:15. Inspected, plug set and all shots fired, dropped ball Good run. 21:20 Test lines. Bad test due to a D-Ring and Packing NPT – 0.97 hrs 22:29 Begin Frac Stage #21 OWH: 4250 psi    Break at 7910 psi at 18 bpm Pump 2000 gals of 15% HCL Frac in progress at report time.		
Total NPT – 4.28 hrs		
WL BHA Assembly		
Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50



Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3300 psi	Csg/3250 psi
UNIVERSITY 20 4702	Csg/3650 psi	Csg/3600 psi
UNIVERSITY 38–20 2H	Csg/3400 psi	Csg3450 psi
UNIVERSITY 35–20 1H	Csg/1100 psi	Csg/1150 psi

Current Activity :  
24 hr Frac Operations

Next 24 hrs :  
24 hr Frac Operations

**Time Breakdown** Day Start Time : 00:00 Total Hours : 24.00 Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	00:50	0.83	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 18
00:50	02:16	1.43	COMP	35- 050	Frac - Other	Yes	Chem add unit engine failed
02:16	03:53	1.62	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 18
03:53	04:08	0.25	COMP	07	Handover	No	Swap to WL
04:08	06:30	2.37	COMP	06	WL Ops Frac	No	Perforate Stage # 19
06:30	06:45	0.25	COMP	07	Handover	No	Swap to Frac
06:45	08:30	1.75	COMP	35- 020	Frac - Blender Side	Yes	repair key way love joy on acid skid, fix Blender discharge
08:30	11:48	3.30	COMP	03	Frac Ops Pumping	No	Frac Stage # 19
11:48	12:03	0.25	COMP	07	Handover	No	Swap to WL
12:03	14:11	2.13	COMP	06	WL Ops Frac	No	Perforate Stage # 20
14:11	14:26	0.25	COMP	07	Handover	No	Swap to Frac
14:26	15:06	0.67	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance
15:06	18:12	3.10	COMP	03	Frac Ops Pumping	No	Frac Stage # 20
18:12	18:15	0.05	COMP	07	Handover	No	Swap to WL
18:15	21:15	3.00	COMP	06	WL Ops Frac	No	Perforate Stage # 21
21:15	21:30	0.25	COMP	07	Handover	No	Swap to Frac
21:30	22:28	0.97	COMP	35- 030	Frac - Pump Maintenance	Yes	Bad PT 2 pumps with issues. Packing & D- ring
22:28	00:00	1.53	COMP	03	Frac Ops Pumping	No	Frac Stage # 21

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :	3213.33
Cum Rig Hours :	12506.66
Rigs For Today	Pumpco #2
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

Comments

UL 20 STRIPES 38–47 601H Completions  
8/13/18 00:00 8/14/18 00:00 Pumpco  
HQDC4  
22:53 Begin Frac Stage #18  
OWH: 4520 psi Break at 8020 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 12411 bbls (Clean) pumped  
ISIP: 5570 psi FG: 0.94 psi/ft  
MP: 10800 psi MR: 75 bpm AP: 9940 psi AR: 67 bpm MPC: 1.94630872483221 ppg  
Tot 100: 102170 lbs. Tot 40/70: 285380 lbs  
FR - 706 gal; SI - 255 gal; Bio - 264 gal; Surf - 137 gal; SSI-150 lbs  
3:56 Frac Stage #18 Complete  
During 0.50 ppa 40/70 sand the chem add unit engine failed. ( water pump pully). Well was flushed and secured. After repaired coninued stage starting with 600 bbl pad and resumed sand. NPT - 1.43 hrs  
4:08 Begin WL Stage #19  
Pump down: 12 bpm at 6630 max psi using 206 bbls  
Set Purple Seal CFP at 18126'. PUH and perforate as follows:  
18111' - 18109' (8), 18071' - 18069' (8), 18031' - 18029' (8), 17991' - 17989' (8), and 17951' - 17949' (8)  
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.  
POOH. RD WL @ 6:30. Inspected, plug set and all shots fired, dropped ball  
No issues or changes.  
8:31 Begin Frac Stage #19  
OWH: 4280 psi Break at 7860 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10928 bbls (Clean) pumped  
ISIP: 5580 psi FG: 0.92 psi/ft  
MP: 11210 psi MR: 75 bpm AP: 10500 psi AR: 69 bpm MPC: 2 ppg  
Tot 100: 107570 lbs. Tot 40/70: 280180 lbs  
FR - 574 gal; SI - 126 gal; Bio - 223 gal; Surf - 113 gal

11:48 Frac Stage #19 Complete  
Repair key way on acid skid. Repair blender discharge slinger and wear plate. NPT 1.75 hrs. Lost 4 pumps limiting rate to 69 bpm. During flush popoff went off at 11,200 psi. SD isolate pop off finished flush. All sand placed to design  
12:03 Begin WL Stage #20  
Pump down: 12 bpm at 6720 max psi using 240 bbls  
Set Purple Seal CFP at 17926'. PUH and perforate as follows:  
17911' - 17909' (8), 17871' - 17869' (8), 17831' - 17829' (8), 17791' - 17789' (8), and 17751' - 17749' (8)  
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.  
POOH. RD WL @ 14:11. Inspected, plug set and all shots fired, dropped ball  
Moved plug up 2' to avoid collar  
  
14:26-15:06 Pump maintenance NPT - 0.67 hrs  
14:26 Begin Frac Stage #20  
OWH: 4430 psi Break at 8440 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10649 bbls (Clean) pumped  
ISIP: 5420 psi FG: 0.92 psi/ft  
MP: 11140 psi MR: 75 bpm AP: 9674 psi AR: 68 bpm MPC: 2 ppg  
Tot 100: 106150 lbs. Tot 40/70: 282460 lbs  
FR - 615 gal; SI - 73 gal; Bio - 227 gal; Surf - 124 gal; SSI – 150 lbs  
18:12 Frac Stage #20 Complete  
stage pumped as designed.  
18:25 Begin WL Stage #21  
Pump down: 10 bpm at 6460 max psi using 180 bbls  
Set Purple Seal CFP at 17726'. PUH and perforate as follows:  
17711' - 17709' (8), 17671' - 17669' (8), 17631' - 17629' (8), 17591' - 17589' (8), and 17551' - 17549' (8)  
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.  
POOH. RD WL @ 21:15. Inspected, plug set and all shots fired, dropped ball  
Good run.  
21:20 Test lines. Bad test due to a D-Ring and Packing NPT – 0.97 hrs  
22:29 Begin Frac Stage #21  
OWH: 4250 psi Break at 7910 psi at 18 bpm  
Pump 2000 gals of 15% HCL  
Frac in progress at report time.  
  
Total NPT – 4.28 hrs  
  
WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

  

Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3300 psi	Csg/3250 psi
UNIVERSITY 20 4702	Csg/3650 psi	Csg/3600 psi
UNIVERSITY 38–20 2H	Csg/3400 psi	Csg3450 psi
UNIVERSITY 35–20 1H	Csg/1100 psi	Csg/1150 psi

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	14	Daily Cost :	\$274,393
Report Date :	8/14/2018	Cost To Date :	\$1,848,660
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,544,601

<b>Event Details</b>			
Event Objective :	<input type="text" value="Frac"/>		
Start :	<input type="text"/>	Finish :	<input type="text"/>
		Workover # :	<input type="text"/>

[illegible]

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent
<div> <div> <div>Gas</div> <div> <div>Today : 0.0 Mcft</div> <div>To Date : 0.0 Mcft</div> </div> </div> <div> <div>Oil</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Water</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> <div> <div>Sand</div> <div> <div>0.00 bbl</div> <div>0.00 bbl</div> </div> </div> </div>											

# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$357,744	Cost To Date :	\$2,216,511
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$6,912,452

## Report Information

Report # :	15	Report Date :	8/15/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :	Frac			Event Sub Type :	Frac		
Start :		Finish :		Workover # :		Plugback :	0.00
Tubing Config. :			Prod. Through :			Final Status :	

## Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38–47 601H Completions 8/14/18 00:00 8/15/18 00:00 Pumpco HQDC4  22:29 Begin Frac Stage #21 OWH: 4250 psi Break at 7910 psi at 18 bpm Pump 2000 gals of 15% HCL - 10995 bbls (Clean) pumped ISIP: 5710 psi FG: 0.95 psi/ft MP: 11090 psi MR: 80 bpm AP: 10639 psi AR: 72 bpm MPC: 2 ppg Tot 100: 102820 lbs. Tot 40/70: 307770 lbs FR - 574 gal; SI - 143 gal; Bio - 248 gal; Surf - 113 gal; SSI – 150 lbs 1:25 Frac Stage #21 Complete stage pumped as designed. Prior to frac, during PT found some bad packing and a bad D-ring. Repacked pump and replaced D-ring NPT - 0.97 hr 1:40 Begin WL Stage #22 Pump down: 10 bpm at 5990 max psi using 176 bbls Set Purple Seal CFP at 16280'. PUH and perforate as follows: 17511' - 17509' (8), 17471' - 17469' (8), 17431' - 17429' (8), 17391' - 17389' (8), and 17351' - 17349' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 4:25. Inspected, plug set and all shots fired, dropped ball Good run. 4:40 Begin Frac Stage #22 OWH: 4440 psi Break at 8740 psi at 15 bpm Pump 2000 gals of 15% HCL - 10945 bbls (Clean) pumped ISIP: 5370 psi FG: 0.92 psi/ft MP: 11300 psi MR: 84 bpm AP: 10580 psi AR: 78 bpm MPC: 2 ppg Tot 100: 104640 lbs. Tot 40/70: 298030 lbs FR - 570 gal; SI - 81 gal; Bio - 221 gal; Surf - 104 gal; SSI – 150 lbs 7:35 Frac Stage #22 Complete Job placed to design. 7:50 Begin WL Stage #23 Pump down: 12 bpm at 6560 max psi using 186 bbls Set Purple Seal CFP at 17326'. PUH and perforate as follows: 17311' - 17309' (8), 17271' - 17269' (8), 17231' - 17229' (8), 17191' - 17189' (8), and 17151' - 17149' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 10:05. Inspected, plug set and all shots fired, dropped ball No issues or changes. 10:12 Begin Frac Stage #23 OWH: 4670 psi Break at 8930 psi at 15 bpm Pump 2000 gals of 15% HCL - 10887 bbls (Clean) pumped ISIP: 5540 psi FG: 0.94 psi/ft MP: 10790 psi MR: 78 bpm AP: 10417 psi AR: 72 bpm MPC: 2 ppg Tot 100: 104360 lbs. Tot 40/70: 293090 lbs FR - 511 gal; SI - 112 gal; Bio - 212 gal; Surf - 121 gal; SSI – 150 lbs 13:19 Frac Stage #23 Complete All sand pumped to design, lost several pumps during stage limiting rate. 13:34 Begin WL Stage #24 Pump down: 12 bpm at 7040 max psi using 206 bbls Set Purple Seal CFP at 17126'. PUH and perforate as follows: 17111' - 17109' (8), 17071' - 17069' (8), 17031' - 17029' (8), 16991' - 16989' (8), and 16954' - 16952' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 15:55. Inspected, plug set and all shots fired, dropped ball Moved gun 5 down to avoid collar. 16:20 Begin Frac Stage #24 OWH: 4670 psi Break at 8630 psi at 15 bpm Pump 2000 gals of 15% HCL - 10772 bbls (Clean) pumped ISIP: 5710 psi FG: 0.95 psi/ft MP: 10850 psi MR: 78 bpm AP: 10451 psi AR: 71 bpm MPC: 2 ppg Tot 100: 104000 lbs. Tot 40/70: 292306 lbs FR - 588 gal; SI - 107 gal; Bio - 236 gal; Surf - 121 gal; SSI – 150 lbs 19:31 Frac Stage #24 Complete Stage pumped as designed. 19:44 Begin WL Stage #25 Pump down: 10 bpm at 6210 max psi using 162 bbls Set Purple Seal CFP at 16926'. PUH and perforate as follows: 16911' - 16909' (8), 16871' - 16869' (8), 16831' - 16829' (8), 16791' - 16789' (8), and 15507' - 15505' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 22:10. Inspected, plug set and all shots fired, dropped ball Good run. 22:15 Frac replaced ground check and isolation vales. Tested pumps and lines. NPT – 0.48 hrs
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22:54 Begin Frac Stage #25

Frac in progress at report time.

Total NPT – 1.45 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:

	Yesterday	Today
UNIVERSITY 20 4701	Csg/3250 psi	Csg/3250 psi
UNIVERSITY 20 4702	Csg/3600 psi	Csg/3300 psi
UNIVERSITY 38–20 2H	Csg/3450 psi	Csg/3150 psi
UNIVERSITY 35–20 1H	Csg/1150 psi	Csg/ 400 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time : 00:00		Total Hours : 24.00	Time Code :	
Start Time	End Time	Hours	Phase	Activity			Time Code	
				Time Code	Description	NPT		
00:00	01:25	1.42	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 21	
01:25	01:40	0.25	COMP	07	Handover	No	Swap to WL	
01:40	04:25	2.75	COMP	06	WL Ops Frac	No	Perforate Stage # 22	
04:25	04:40	0.25	COMP	07	Handover	No	Swap to Frac	
04:40	07:35	2.92	COMP	03	Frac Ops Pumping	No	Frac stage # 22	
07:35	07:50	0.25	COMP	07	Handover	No	Swap to WL	
07:50	10:05	2.25	COMP	06	WL Ops Frac	No	Perforate Stage # 23	
10:05	10:12	0.12	COMP	07	Handover	No	Swap to frac	
10:12	13:19	3.12	COMP	03	Frac Ops Pumping	No	Frac stage # 23	
13:19	13:34	0.25	COMP	07	Handover	No	Swap to WL	
13:34	16:10	2.60	COMP	06	WL Ops Frac	No	Perforate Stage # 24	
16:10	16:20	0.17	COMP	07	Handover	No	Swap to frac	
16:20	19:29	3.15	COMP	03	Frac Ops Pumping	No	Frac Stage # 24	
19:29	19:44	0.25	COMP	07	Handover	No	Swap to WL	
19:44	22:10	2.43	COMP	06	WL Ops Frac	No	Perforate Stage # 25	
22:10	22:25	0.25	COMP	07	Handover	No	Swap to frac	
22:25	22:54	0.48	COMP	35- 010	Frac - Frac Iron	Yes	Replaced ground check & isolation valve.	
22:54	00:00	1.10	COMP	03	Frac Ops Pumping	No	Frac Stage # 25	

Personnel Hours				
Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours

Rig Information

Daily NPT Cost : 320.00

Cum Rig Hours :12826.66

Rigs For Today :Pumpco #2

KB Elevation :2773.00 ft

KB To GL :0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	15	Daily Cost :	\$357,744
Report Date :	8/15/2018	Cost To Date :	\$2,216,511
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,912,452

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)

Hauled In (bbl) :

Day Total : 0.0

To Date : 0.0

Hauled Out (bbl):

Day Total : 0.0

To Date : 0.0

Pumped (bbl):

Day Total : 0.0

To Date : 0.0

Recovered (bbl):

Day Total : 0.0

To Date : 0.0

Left To Recover (bbl):

Day Total : 0.0

To Date : 0.0

Surface Balance (bbl):

Day Total : 0.0

To Date : 0.0

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl

# Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost : \$355,782

Cost To Date : \$2,572,293

AFE # : PB18100002

AFE : \$10,772,650

AFE Cost to Date : \$7,268,234

Report Information

Report # : 16

Report Date : 8/16/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2773.00

ft

Reserve Pit Freeboard : 0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective : Frac

Event Sub Type : Frac

Start :

Finish :

Workover # :

Plugback : 0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38–47 601H Completions

8/15/18 00:00 8/16/18 00:00 Pumpco

HQDC4

22:54 Begin Frac Stage #25

OWH: 4500 psi Break at 9000 psi at 15 bpm

Pump 2000 gals of 15% HCL - 10482 bbls (Clean) pumped

ISIP: 5580 psi FG: 0.94 psi/ft

MP: 11130 psi MR: 76 bpm AP: 10251 psi AR: 71 bpm MPC: 1.9992729916394 ppg

Tot 100: 93940 lbs. Tot 40/70: 300840 lbs

FR - 548 gal; SI - 107 gal; Bio - 247 gal; Surf - 82 gal; SSI – 150 lbs

2:09 Frac Stage #25 Complete

Stage pumped as designed.

2:09 Begin WL Stage #26

Pump down: 10 bpm at 6680 max psi using 150 bbls

Set Purple Seal CFP at 16726'. PUH and perforate as follows:

16711' - 16709' (8), 16671' - 16669' (8), 16631' - 16629' (8), 16591' - 16589' (8), and 16551' - 16549' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 4:45. Inspected, plug set and all shots fired, dropped ball

Good run.

5:28 Begin Frac Stage #26

OWH: 4600 psi Break at 9330 psi at 15 bpm

Pump 2000 gals of 15% HCL - 10561 bbls (Clean) pumped

ISIP: 5470 psi FG: 0.93 psi/ft

MP: 10830 psi MR: 80 bpm AP: 10363 psi AR: 72 bpm MPC: 2.0 ppg

Tot 100: 106020 lbs. Tot 40/70: 279040 lbs

FR - 548 gal; SI - 130 gal; Bio - 219 gal; Surf - 136 gal; SSI – 150 lbs

8:30 Frac Stage #26 Complete

Reboot data van prior to stage NPT .47 hrs. All sand placed

8:45 Begin WL Stage #27

Pump down: 12 bpm at 6410 max psi using 156 bbls

Set Purple Seal CFP at 16526'. PUH and perforate as follows:

16511' - 16509' (8), 16471' - 16469' (8), 16431' - 16429' (8), 16391' - 16389' (8), and 16351' - 16349' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 10:55. Inspected, plug set and all shots fired, dropped ball

No issues or changes.

11:35 Begin Frac Stage #27

OWH: 4460 psi Break at 8690 psi at 15 bpm

Pump 2000 gals of 15% HCL - 10908 bbls (Clean) pumped

ISIP: 5270 psi FG: 0.91 psi/ft

MP: 11190 psi MR: 79 bpm AP: 10322 psi AR: 75 bpm MPC: 2 ppg

Tot 100: 106980 lbs. Tot 40/70: 301180 lbs

FR - 618 gal; SI - 87 gal; Bio - 213 gal; Surf - 91 gal SSI – 150 lbs

14:35 Frac Stage #27 Complete

All sand placed. Prior to frac. PT & setting pop-off NPT 0.25 hr

14:50 Begin WL Stage #28

Pump down: 10 bpm at 6520 max psi using 155 bbls

Set Purple Seal CFP at 16326'. PUH and perforate as follows:

15068' - 15066' (8), 16271' - 16269' (8), 16231' - 16229' (8), 16191' - 16189' (8), and 16151' - 16149' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 17:10. Inspected, plug set and all shots fired, dropped ball

Good run.

17:26 Begin Frac Stage #28

OWH: 4650 psi Break at 8500 psi at 15 bpm

Pump 2000 gals of 15% HCL - 10837 bbls (Clean) pumped

ISIP: 5460 psi FG: 0.93 psi/ft

MP: 10470 psi MR: 69 bpm AP: 9263 psi AR: 66 bpm MPC: 2 ppg

Tot 100: 104290 lbs. Tot 40/70: 294210 lbs

FR - 437 gal; SI - 109 gal; Bio - 236 gal; Surf - 81 gal; SSI – 150 lbs

20:43 Frac Stage #28 Complete

stage pumped as designed.

20:55 Begin WL Stage #29

Pump down: 10 bpm at 5860 max psi using 123 bbls

Set Purple Seal CFP at 16126'. PUH and perforate as follows:

16111' - 16109' (8), 16071' - 16069' (8), 16031' - 16029' (8), 15991' - 15989' (8), and 15951' - 15949' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 23:20. Inspected, plug set and all shots fired, dropped ball

Good run.

23:37 Begin Frac Stage #29



Stage in progress at report time.

Total NPT – 0.25 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3250 psi	Csg/3200 psi
UNIVERSITY 20 4702	Csg/3300 psi	Csg/3250 psi
UNIVERSITY 38–20 2H	Csg/3150 psi	Csg/3000 psi
UNIVERSITY 35–20 1H	Csg/ 400 psi	Csg/ 300 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown

Day Start Time : 00:00

Total Hours : 24.00

Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	01:54	1.90	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 25
01:54	02:09	0.25	COMP	07	Handover	No	Swap to WL
02:09	04:45	2.60	COMP	06	WL Ops Frac	No	Perforate stage # 26
04:45	05:00	0.25	COMP	07	Handover	No	Swap to frac
05:00	05:28	0.47	COMP	35- 050	Frac - Other	Yes	Reboot data van.
05:28	08:30	3.03	COMP	03	Frac Ops Pumping	No	Frac stage # 26
08:30	08:45	0.25	COMP	07	Handover	No	Swap to WL
08:45	10:55	2.17	COMP	06	WL Ops Frac	No	Perforate stage # 27
10:55	11:10	0.25	COMP	07	Handover	No	Swap to Frac
11:10	11:25	0.25	COMP	35- 010	Frac - Frac Iron	Yes	Set Pop off
11:25	14:35	3.17	COMP	03	Frac Ops Pumping	No	Frac Stage # 27
14:35	14:50	0.25	COMP	07	Handover	No	Swap to WL
14:50	17:10	2.33	COMP	06	WL Ops Frac	No	Perforate stage # 28
17:10	17:26	0.27	COMP	07	Handover	No	Swap to Frac
17:26	20:40	3.23	COMP	03	Frac Ops Pumping	No	Frac Stage # 28
20:40	20:55	0.25	COMP	07	Handover	No	Swap to WL
20:55	23:20	2.42	COMP	06	WL Ops Frac	No	Perforate stage # 29
23:20	23:37	0.28	COMP	07	Handover	No	Swap to Frac
23:37	00:00	0.38	COMP	03	Frac Ops Pumping	No	Frac Stage # 29

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :	166.67
Cum Rig Hours :	12993.33
Rigs For Today :	Pumpco #2
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

Comments

Attachments

Daily Attachment Folder(s)



## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	16	Daily Cost :	\$355,782
Report Date :	8/16/2018	Cost To Date :	\$2,572,293
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,268,234

**Event Details**

Event Objective :

Start :

Finish :

Workover # :

Load Fluids

Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
<div> <div> <div></div> <div></div> </div> </div>						

Hauled In (bbl) :

Hauled Out (bbl):

Pumped (bbl):

Recovered (bbl):

Left To Recover (bbl):

Surface Balance (bbl):

Day Total :

To Date :

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl

# Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	17	Daily Cost :	\$356,265
Report Date :	8/17/2018	Cost To Date :	\$2,928,559
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,624,499

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2773.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

<b>Event Details</b>			
Event Objective :	Frac	Event Sub Type :	Frac
Start :		Finish :	
Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :	
Final Status :			

<b>Daily Summary</b>
Summary (last 24 hrs) :
UL 20 STRIPES 38–47 601H Completions 8/16/18 00:00 8/17/18 00:00 Pumpco HQDC4
23:37 Begin Frac Stage #29 OWH: 4570 psi Break at 8660 psi at 15 bpm Pump 2000 gals of 15% HCL - 10983 bbls (Clean) pumped ISIP: 5440 psi FG: 0.93 psi/ft MP: 11110 psi MR: 80 bpm AP: 9448 psi AR: 70 bpm MPC: 2 ppg Tot 100: 109740 lbs. Tot 40/70: 293470 lbs FR - 455 gal; SI - 88 gal; Bio - 217 gal; Surf - 86 gal; SSI – 150 lbs 2:36 Frac Stage #29 Complete Stage pumed as designed. 2:50 Begin WL Stage #30 Pump down: 10 bpm at 5900 max psi using 121 bbls Set Purple Seal CFP at 15926'. PUH and perforate as follows: 15911' - 15909' (8), 15871' - 15869' (8), 15831' - 15829' (8), 15791' - 15789' (8), and 15751' - 15749' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 5:00. Inspected, plug set and all shots fired, dropped ball Good run. 5:58 Begin Frac Stage #30 OWH: 4620 psi Break at 6590 psi at 15 bpm Pump 2000 gals of 15% HCL - 11682 bbls (Clean) pumped ISIP: 5490 psi FG: 0.93 psi/ft MP: 10620 psi MR: 81 bpm AP: 9483 psi AR: 74 bpm MPC: 2 ppg Tot 100: 103860 lbs. Tot 40/70: 297080 lbs FR - 457 gal; SI - 154 gal; Bio - 217 gal; Surf - 141 gal; SSI – 150 lbs 9:30 Frac Stage #30 Complete 0.72 hrs pump maintenance prior to stage. During 1.5 40/70 shut down due to block valve on missile leaking. Isolate valve and continue stage. All sand placed. Total NPT – 0.25 hrs 9:45 Begin WL Stage #31 Pump down: 12 bpm at 6260 max psi using 137 bbls Set Purple Seal CFP at 15726'. PUH and perforate as follows: 15711' - 15709' (8), 15671' - 15669' (8), 15631' - 15629' (8), 15591' - 15589' (8), and 15551' - 15549' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 11:45. Inspected, plug set and all shots fired, dropped ball No issues or changes. 12:39 Begin Frac Stage #31 OWH: 4410 psi Break at 8730 psi at 15 bpm Pump 2000 gals of 15% HCL - 11682 bbls (Clean) pumped ISIP: 5400 psi FG: 0.93 psi/ft MP: 10970 psi MR: 81 bpm AP: 10489 psi AR: 74 bpm MPC: 2 ppg Tot 100: 104020 lbs. Tot 40/70: 294620 lbs FR – 580 gal; SI - 74 gal; Bio - 210 gal; Surf - 91 gal; SSI – 150 lbs 15:42 Frac Stage #31 Complete Stage pumped as designed. 16:00 Begin WL Stage #32 Pump down: 10 bpm at 6660 max psi using 108 bbls Set Purple Seal CFP at 15526'. PUH and perforate as follows: 15511' - 15509' (8), 15471' - 15469' (8), 15431' - 15429' (8), 15391' - 15389' (8), and 15351' - 15349' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 17:55. Inspected, plug set and all shots fired, dropped ball Good run. 18:08 Begin Frac Stage #32 OWH: 4770 psi Break at 7760 psi at 15 bpm Pump 2000 gals of 15% HCL - 10720 bbls (Clean) pumped ISIP: 5530 psi FG: 0.93 psi/ft MP: 10700 psi MR: 80.8 bpm AP: 9901 psi AR: 74.6 bpm MPC: 2 ppg Tot 100: 116460 lbs. Tot 40/70: 294160 lbs FR - 524 gal; SI - 110 gal; Bio - 259 gal; Surf - 75 gal; SSI – 150 lbs 20:59 Frac Stage #32 Complete Stage pumped as designed. 21:04 Begin WL Stage #33 Pump down: 10 bpm at 6300 max psi using 107 bbls Set Purple Seal CFP at 14063'. PUH and perforate as follows: 15311' - 15309' (8), 15271' - 15269' (8), 15231' - 15229' (8), 15191' - 15189' (8), and 14274' - 14272' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 23:15. Inspected, plug set and all shots fired, dropped ball

Good run.  
23:30 WO Water, Frac pit to low to start stage. NPT – 0.50 hrs

Total NPT – 1.47 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3250 psi	Csg/3200 psi
UNIVERSITY 20 4702	Csg/3300 psi	Csg/3200 psi
UNIVERSITY 38–20 2H	Csg/3150 psi	Csg/2900 psi
UNIVERSITY 35–20 1H	Csg/ 400 psi	Csg/ 300 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time : 00:00		Total Hours : 24.00	Time Code :
Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	02:35	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 29
02:35	02:50	0.25	COMP	07	Handover	No	Swap to WL
02:50	05:00	2.17	COMP	06	WL Ops Frac	No	Perforate stage # 30
05:00	05:15	0.25	COMP	07	Handover	No	Swap to Frac
05:15	05:58	0.72	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance
05:58	08:16	2.30	COMP	03	Frac Ops Pumping	No	Frac Stage # 30
08:16	08:30	0.23	COMP	35- 010	Frac - Frac Iron	Yes	isolate block valve on missile
08:30	09:30	1.00	COMP	03	Frac Ops Pumping	No	Resume stage # 30 frac
09:30	09:45	0.25	COMP	07	Handover	No	Swap to WL
09:45	11:55	2.17	COMP	06	WL Ops Frac	No	Perforate stage # 31
11:55	12:10	0.25	COMP	07	Handover	No	Swap to Frac
12:10	12:39	0.48	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance
12:39	15:45	3.10	COMP	03	Frac Ops Pumping	No	Frac Stage # 31
15:45	16:00	0.25	COMP	07	Handover	No	Swap to WL
16:00	17:55	1.92	COMP	06	WL Ops Frac	No	Perforate stage # 32
17:55	18:08	0.22	COMP	07	Handover	No	Swap to Frac
18:08	20:57	2.82	COMP	03	Frac Ops Pumping	No	Frac Stage # 32
20:57	21:04	0.12	COMP	07	Handover	No	Swap to WL
21:04	23:15	2.18	COMP	06	WL Ops Frac	No	Perforate stage # 33
23:15	23:30	0.25	COMP	07	Handover	No	Swap to Frac
23:30	00:00	0.50	COMP	35- 100	Water Transfer	Yes	WO water, Pit to low to start stage.

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :	0.00
Cum Rig Hours :	12993.33
Rigs For Today :	Pumpco #2
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	17	Daily Cost :	\$356,265
Report Date :	8/17/2018	Cost To Date :	\$2,928,559
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,624,499

<b>Event Details</b>			
Event Objective : <input type="text" value="Frac"/>			
Start : <input type="text"/>	Finish : <input type="text"/>	Workover # : <input type="text"/>	

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# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$356,262	Cost To Date :	\$3,284,821
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$7,980,762

## Report Information

Report # :	18	Report Date :	8/18/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :		Frac		Event Sub Type :		Frac																	
Start :				Finish :				Workover # :				Plugback :		0.00									
Tubing Config. :								Prod. Through :								Final Status :							

## Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38–47 601H Completions 8/17/18 00:00    8/18/18 00:00    Pumpco HQDC4  00:00 WO water. 0:40 Begin Frac Stage #33 OWH: 4620 psi    Break at 8070 psi at 15 bpm Pump 2000 gals of 15% HCL - 10971 bbls (Clean) pumped ISIP: 6230 psi    FG: 1.0 psi/ft MP: 11160 psi    MR: 84.7 bpm    AP: 9792 psi    AR: 75.5 bpm    MPC: 2 ppg Tot 100: 106800 lbs.    Tot 40/70: 308930 lbs FR - 522 gal; SI - 75 gal; Bio - 182 gal; Surf - 89 gal; SSI – 150 lbs 3:28 Frac Stage #33 Complete Stage pumped as designed. Prior to frac WO water in frac pit. NPT – 0:67 hrs 3:40 Begin WL Stage #34 Pump down: 10 bpm at 7630 max psi using 105 bbls Set Purple Seal CFP at 15126'.    PUH and perforate as follows: 15111' - 15109' (8), 13835' - 13833' (8), 15031' - 15029' (8), 14991' - 14989' (8), and 14951' - 14949' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 6:00. Inspected, plug set and all shots fired, dropped ball Good run no issues. 6:34 Begin Frac Stage #34 OWH: 4620 psi    Break at 8920 psi at 15 bpm Pump 2000 gals of 15% HCL - 10936 bbls (Clean) pumped ISIP: 5300 psi    FG: 0.91 psi/ft MP: 10830 psi    MR: 82 bpm    AP: 9670 psi    AR: 75.8 bpm    MPC: 2.0042328042328 ppg Tot 100: 102950 lbs.    Tot 40/70: 298050 lbs FR - 574 gal; SI - 133 gal; Bio - 206 gal; Surf - 117 gal; SSI – 150 lbs 9:32 Frac Stage #34 Complete Trouble getting boost to PT Prior to stage.    NPT 0.32 hrs.    All sand placed. 9:47 Begin WL Stage #35 Pump down: 10 bpm at 6070 max psi using 89 bbls Set Purple Seal CFP at 14926'.    PUH and perforate as follows: 14911' - 14909' (8), 14871' - 14869' (8), 14631' - 14629' (8), 14791' - 14789' (8), and 14751' - 14749' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 11:50. Inspected, plug set and all shots fired, dropped ball No issues. 12:47 Begin Frac Stage #35 OWH: 4620 psi    Break at 8070 psi at 15 bpm Pump 2000 gals of 15% HCL - 10971 bbls (Clean) pumped ISIP: 6230 psi    FG: .85 psi/ft MP: 11160 psi    MR: 84.7 bpm    AP: 9792 psi    AR: 75.5 bpm    MPC: 2 ppg Tot 100: 106800 lbs.    Tot 40/70: 308930 lbs FR - 522 gal; SI - 75 gal; Bio - 182 gal; Surf - 89 gal; SSI – 150 lbs 15:28 Frac Stage #35 Complete Change out hose on acid skid prior to frac.    NPT 0.33 hrs.    SD during .75 100 mesh isolate pump #4 , chicksan leaking. Lost chem add unit during flush.    All sand placed. 15:50 Begin WL Stage #36 Pump down: 10 bpm at 6550 max psi using 85 bbls Set Purple Seal CFP at 14726'.    PUH and perforate as follows: 14711' - 14709' (8), 14671' - 14669' (8), 14631' - 14629' (8), 14591' - 14589' (8), and 14551' - 14549' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 18:10. Inspected, plug set and all shots fired, dropped ball Good run. 18:20 Begin Frac Stage #36 OWH: 4540 psi    Break at 8850 psi at 15 bpm Pump 2000 gals of 15% HCL - 10837 bbls (Clean) pumped ISIP: 5620 psi    FG: 0.94 psi/ft MP: 11120 psi    MR: 71 bpm    AP: 9937 psi    AR: 65 bpm    MPC: 2 ppg Tot 100: 102990 lbs.    Tot 40/70: 297835 lbs FR - 490 gal; SI - 88 gal; Bio - 224 gal; Surf - 80 gal; SSI – 150 lbs 21:41 Frac Stage #36 Complete Stage pumped as designed. 21:56 Begin WL Stage #37 Pump down: 10 bpm at 6190 max psi using 82 bbls Set Purple Seal CFP at 13292'.    PUH and perforate as follows: 14511' - 14509' (8), 14471' - 14469' (8), 14431' - 14429' (8), 13514' - 13512' (8), and 13479' - 13477' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH.    RD WL @ 23:59. Inspected, plug set and all shots fired, dropped ball
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Good run.

Total NPT – 0.67 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:

	Yesterday	Today
UNIVERSITY 20 4701	Csg/3200 psi	Csg/3200 psi
UNIVERSITY 20 4702	Csg/3200 psi	Csg/3150 psi
UNIVERSITY 38–20 2H	Csg/2900 psi	Csg/4200 psi
UNIVERSITY 35–20 1H	Csg/ 300 psi	Csg/ 375 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time : 00:00		Total Hours : 24.00	Time Code :
Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	00:40	0.67	COMP	35- 100	Water Transfer	Yes	WO water level in pit
00:40	03:26	2.77	COMP	03	Frac Ops Pumping	No	Frac Stage # 33
03:26	03:40	0.23	COMP	07	Handover	No	Swap to WL
03:40	06:00	2.33	COMP	06	WL Ops Frac	No	Perforate stage # 34
06:00	06:15	0.25	COMP	07	Handover	No	Swap to frac
06:15	06:34	0.32	COMP	35- 050	Frac - Other	Yes	Trouble getting boost to PT
06:34	09:32	2.97	COMP	03	Frac Ops Pumping	No	Frac Stage # 34
09:32	09:47	0.25	COMP	07	Handover	No	Swap to WL
09:47	11:50	2.05	COMP	06	WL Ops Frac	No	Perforate stage # 35
11:50	12:05	0.25	COMP	07	Handover	No	Swap to frac
12:05	12:25	0.33	COMP	35- 050	Frac - Other	Yes	Change out pump on acid skid
12:25	15:36	3.18	COMP	03	Frac Ops Pumping	No	Frac stage # 35
15:36	15:50	0.23	COMP	07	Handover	No	Swap to WL
15:50	18:10	2.33	COMP	06	WL Ops Frac	No	Perforate stage # 36
18:10	18:20	0.17	COMP	07	Handover	No	Swap to frac
18:20	21:41	3.35	COMP	03	Frac Ops Pumping	No	Frac stage # 36
21:41	21:56	0.25	COMP	07	Handover	No	Swap to WL
21:56	00:00	2.07	COMP	06	WL Ops Frac	No	Perforate stage # 37

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 433.33

Cum Rig Hours :13426.66

Rigs For Today :Pumpco #2

KB Elevation :2773.00 ft

KB To GL :0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	18	Daily Cost :	\$356,262
Report Date :	8/18/2018	Cost To Date :	\$3,284,821
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,980,762

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl



# Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWI	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	19	Daily Cost :	\$355,974
Report Date :	8/19/2018	Cost To Date :	\$3,640,795
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,336,736

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2773.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

<b>Event Details</b>			
Event Objective :	Frac		Event Sub Type :
Start :		Finish :	
Workover # :		Plugback :	0.00
Tubing Config. :		Prod. Through :	
Final Status :			

<b>Daily Summary</b>
Summary (last 24 hrs) :
UL 20 STRIPES 38–47 601H Completions 8/18/18 00:00 8/19/18 00:00 Pumpco HQDC4
00:15 WO frac to swap out 4” ground isolation & check valves. Prime & Test. NPT – 0.83 hr
1:05 Begin Frac Stage #37
OWH: 4330 psi Break at 9450 psi at 15 bpm
Pump 2000 gals of 15% HCL - 11068 bbls (Clean) pumped
ISIP: 5270 psi FG: 0.91 psi/ft
MP: 10600 psi MR: 77 bpm AP: 10195 psi AR: 74 bpm MPC: 1.98 ppg
Tot 100: 103510 lbs. Tot 40/70: 298030 lbs
FR - 498 gal; SI - 111 gal; Bio - 237 gal; Surf - 82 gal; SSI-150 lbs
4:20 Frac Stage #37 Complete
Prior to start stage frac swapped a 4" ground isolation valve & a 4" check valve. All sand placed.
4:35 Begin WL Stage #38
Pump down: 10 bpm at 6610 max psi using 87 bbls
Set Purple Seal CFP at 14326'. PUH and perforate as follows:
14311' - 14309' (8), 13038' - 13036' (8), 14231' - 14229' (8), 14191' - 14189' (8), and 14151' - 14149' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 6:23. Inspected, plug set and all shots fired, dropped ball
No issues.
7:07 Begin Frac Stage #38
OWH: 4540 psi Break at 8750 psi at 15 bpm
Pump 2000 gals of 15% HCL - 10855 bbls (Clean) pumped
ISIP: 5400 psi FG: 0.92 psi/ft
MP: 10650 psi MR: 81.9 bpm AP: 9851 psi AR: 76.7 bpm MPC: 2 ppg
Tot 100: 103680 lbs. Tot 40/70: 306590 lbs
FR - 592 gal; SI - 110 gal; Bio - 227 gal; Surf - 125 gal; SSI-150 lbs
10:00 Frac Stage #38 Complete
All sand placed, 0.48 hrs NPT. Pump maintenance, change out sanded off hoses
10:30 Begin WL Stage #39
Pump down: 10 bpm at 6850 max psi using 85 bbls
Set Purple Seal CFP at 14126'. PUH and perforate as follows:
14111' - 14109' (8), 14071' - 14069' (8), 14031' - 14029' (8), 13991' - 13989' (8), and 13951' - 13949' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 12:15. Inspected, plug set and all shots fired, dropped ball
No issues.
12:48 Begin Frac Stage #39
OWH: 4750 psi Break at 7380 psi at 15 bpm
Pump 2000 gals of 15% HCL - 11118 bbls (Clean) pumped
ISIP: 5360 psi FG: 0.92 psi/ft
MP: 10560 psi MR: 81 bpm AP: 10366 psi AR: 77 bpm MPC: 2 ppg
Tot 100: 107710 lbs. Tot 40/70: 295365 lbs
FR - 576 gal; SI - 110 gal; Bio - 255 gal; Surf - 63 gal; SSI – 150 lbs
15:43 Frac Stage #39 Complete
Stage pumped as designed.
15:57 Begin WL Stage #40
Pump down: 10 bpm at 6160 max psi using 67 bbls
Set Purple Seal CFP at 13926'. PUH and perforate as follows:
13911' - 13909' (8), 13871' - 13869' (8), 13831' - 13829' (8), 13791' - 13789' (8), and 13751' - 13749' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 17:45. Inspected, plug set and all shots fired, dropped ball
Good run.
18:00 Begin Frac Stage #40
OWH: 4690 psi Break at 8430 psi at 15 bpm
Pump 2000 gals of 15% HCL - 10813 bbls (Clean) pumped
ISIP: 5580 psi FG: 0.94 psi/ft
MP: 11250 psi MR: 76 bpm AP: 10056 psi AR: 70 bpm MPC: 1.90 ppg
Tot 100: 106580 lbs. Tot 40/70: 291705 lbs
FR - 605 gal; SI - 109 gal; Bio - 72 gal; Surf - 63 gal; SSI – 150 lbs
22:18 Frac Stage #40 Complete
During .25 ppa 100 mesh a rubber seal ring on the missile failed. SD & SI well. Repair failed seal. Restart stage with 400 bbl pad and resume stage.
NPT - 1.03 hrs
22:35 Begin WL Stage #41
Pump down: 10 bpm at 6150 max psi using 64 bbls
Set Purple Seal CFP at 13726'. PUH and perforate as follows:
13711' - 13709' (8), 13671' - 13669' (8), 13631' - 13629' (8), 13591' - 13589' (8), and 13551' - 13549' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH @ report time.



Total NPT – 2.34 hrs

WL BHA Assembly

Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:

	Yesterday	Today
UNIVERSITY 20 4701	Csg/3200 psi	Csg/3200 psi
UNIVERSITY 20 4702	Csg/3150 psi	Csg/3125 psi
UNIVERSITY 38–20 2H	Csg/4200 psi	Csg/4300 psi
UNIVERSITY 35–20 1H	Csg/ 375 psi	Csg/ 400 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time :		00:00	Total Hours :		24.00	Time Code :		
Start Time	End Time	Hours	Phase	Activity				Time Code				
				Time Code	Description	NPT						
00:00	00:15	0.25	COMP	07	Handover	No	Swap to Frac					
00:15	01:05	0.83	COMP	35- 010	Frac - Frac Iron	Yes	Replace 4" ground valve & check valve. Prime & test.					
01:05	04:20	3.25	COMP	03	Frac Ops Pumping	No	Frac Stage # 37					
04:20	04:35	0.25	COMP	07	Handover	No	Swap to WL					
04:35	06:23	1.80	COMP	06	WL Ops Frac	No	Perforate stage # 38					
06:23	06:38	0.25	COMP	07	Handover	No	Swap to Frac					
06:38	07:07	0.48	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump Maintenance, Change sanded off hoses.					
07:07	10:00	2.88	COMP	03	Frac Ops Pumping	No	Frac stage # 38					
10:00	10:15	0.25	COMP	07	Handover	No	Swap to WL					
10:15	12:15	2.00	COMP	06	WL Ops Frac	No	Perforate stage # 39					
12:15	12:30	0.25	COMP	07	Handover	No	Swap to frac					
12:30	12:48	0.30	COMP	35- 010	Frac - Frac Iron	Yes	Leaky seal on frac iron during PT. Change out seal and re test.					
12:48	15:43	2.92	COMP	03	Frac Ops Pumping	No	Frac stage# 39					
15:43	15:58	0.25	COMP	07	Handover	No	Sawp to WL					
15:58	17:44	1.77	COMP	06	WL Ops Frac	No	Perforate stage # 40					
17:44	17:59	0.25	COMP	07	Handover	No	Swap to frac					
17:59	18:47	0.80	COMP	03	Frac Ops Pumping	No	Frac stage# 40					
18:47	19:49	1.03	COMP	35- 010	Frac - Frac Iron	Yes	4" seal ring on missile failed SD replaced					
19:49	22:19	2.50	COMP	03	Frac Ops Pumping	No	Frac stage# 40					
22:19	22:35	0.27	COMP	07	Handover	No	Sawp to WL					
22:35	00:00	1.42	COMP	06	WL Ops Frac	No	Perforate stage # 41					

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost : 1760.00

Cum Rig Hours : 15186.66

Rigs For Today : Pumpco #2

KB Elevation : 2773.00 ft

KB To GL : 0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

P2 Energy Solutions Alberta, ULC

5.6.2 Page 2

August 20, 2018 08:06:15



## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	19	Daily Cost :	\$355,974
Report Date :	8/19/2018	Cost To Date :	\$3,640,795
		A/E # :	PB18100002
		A/E :	\$10,772,650
		A/E Cost to Date :	\$8,336,736

Event Details

Event Objective : 

Frac

Start :

Finish :

Workover # :

Load Fluids						
Fluid Type	Hauled In (bbl)	Hauled Out (bbl)	Pumped (bbl)	Recovered (bbl)	Left to Recover (bbl)	Surface Balance (bbl)
Hauled In (bbl) :	Hauled Out (bbl):	Pumped (bbl):	Recovered (bbl):	Left To Recover (bbl):	Surface Balance (bbl):	
Day Total :						
To Date :						

Swab/Flow Summary											
Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

  

	Gas		Oil		Water		Sand	
Today :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl
To Date :	<input type="text" value="0.0"/>	Mcf	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl	<input type="text" value="0.00"/>	bbl

# Daily Completions/WO Report



## Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 601H
Property Number	43STRIPES601
Prospect :	

## Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792

## Financials

Daily Cost :	\$344,786	Cost To Date :	\$3,985,581
AFE # :	PB18100002		
AFE :	\$10,772,650	AFE Cost to Date :	\$8,681,522

## Report Information

Report # :	20	Report Date :	8/20/2018
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## Well Information

Design :	Horizontal	Well Type :	Oil	Sweet/Sour :		Prospect :	
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## Elevations

GL :	2773.00	ft	Reserve Pit Freeboard :	0.00	ft
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## Target Formations

Target Formation	SS Elev.
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## Event Details

Event Objective :	Frac			Event Sub Type :	Frac		
Start :		Finish :		Workover # :		Plugback :	0.00
Tubing Config. :			Prod. Through :			Final Status :	

## Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38–47 601H Completions 8/19/18 00:00 8/20/18 00:00 Pumpco HQDC4  22:35 Begin WL Stage #41 Pump down: 10 bpm at 6150 max psi using 64 bbls Set Purple Seal CFP at 13726'. PUH and perforate as follows: 13711' - 13709' (8), 13671' - 13669' (8), 13631' - 13629' (8), 13591' - 13589' (8), and 13551' - 13549' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 0:25. Inspected, plug set and all shots fired, dropped ball Good run. 1:06 Begin Frac Stage #41 OWH: 4500 psi Break at 7180 psi at 15 bpm Pump 2000 gals of 15% HCL - 10832 bbls (Clean) pumped ISIP: 5720 psi FG: 0.95 psi/ft MP: 10060 psi MR: 80 bpm AP: 9429 psi AR: 76 bpm MPC: 2 ppg Tot 100: 104585 lbs. Tot 40/70: 294025 lbs FR - 530 gal; SI - 87 gal; Bio - 228 gal; Surf - 128 gal; SSI-150 lbs 3:56 Frac Stage #41 Complete Stage pumped as designed ... Prior to stage, pump maint. Packing NPT - 0.43 hrs 4:11 Begin WL Stage #42 Pump down: 10 bpm at 6160 max psi using 67 bbls Set Purple Seal CFP at 13526'. PUH and perforate as follows: 13511' - 13509' (8), 13471' - 13469' (8), 13431' - 13429' (8), 13391' - 13389' (8), and 13351' - 13349' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 6:00. Inspected, plug set and all shots fired, dropped ball No issues 06:00-06:43 WO lightning to pass. NPT .72 hrs 6:43 Begin Frac Stage #42 OWH: 4690 psi Break at 7840 psi at 15 bpm Pump 2000 gals of 15% HCL - 10694 bbls (Clean) pumped ISIP: 5500 psi FG: 0.93 psi/ft MP: 10670 psi MR: 86.8 bpm AP: 9218 psi AR: 81.6 bpm MPC: 2 ppg Tot 100: 101125 lbs. Tot 40/70: 298705 lbs FR - 572 gal; SI - 130 gal; Bio - 225 gal; Surf - 86 gal; SSI-150 lbs 9:17 Frac Stage #42 Complete All sand placed. 9:32 Begin WL Stage #43 Pump down: 10 bpm at 6320 max psi using 52 bbls Set Purple Seal CFP at 12098'. PUH and perforate as follows: 13311' - 13309' (8), 13271' - 13269' (8), 13231' - 13229' (8), 13191' - 13189' (8), and 13151' - 13149' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 11:50. Inspected, plug set and all shots fired, dropped ball No issues 12:25 Begin Frac Stage #43 OWH: 4700 psi Break at 9090 psi at 15 bpm Pump 2000 gals of 15% HCL - 10938 bbls (Clean) pumped ISIP: 5250 psi FG: 0.91 psi/ft MP: 10800 psi MR: 83.9 bpm AP: 9777 psi AR: 79.7 bpm MPC: 2 ppg Tot 100: 104140 lbs. Tot 40/70: 303580 lbs FR - 533 gal; SI - 85 gal; Bio - 228 gal; Surf - 87 gal; SSI-150 lbs 15:15 Frac Stage #43 Complete Prior to stage WO 100 mesh sand. NPT 0.33 hrs. All sand placed. 15:30 Begin WL Stage #44 Pump down: 10 bpm at 6530 max psi using 45 bbls Set Purple Seal CFP at 13126'. PUH and perforate as follows: 13111' - 13109' (8), 13071' - 13069' (8), 13031' - 13029' (8), 12991' - 12989' (8), and 12951' - 12949' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 17:25. Inspected, plug set and all shots fired, dropped ball Good run. 17:37 Begin Frac Stage #44 OWH: 4670 psi Break at 8070 psi at 15 bpm Pump 2000 gals of 15% HCL - 10557 bbls (Clean) pumped ISIP: 5600 psi FG: 0.94 psi/ft MP: 10300 psi MR: 75 bpm AP: 8797 psi AR: 71 bpm MPC: 2 ppg Tot 100: 101830 lbs. Tot 40/70: 305440 lbs FR - 659 gal; SI - 128 gal; Bio - 236 gal; Surf - 44 gal; SSI – 150 lbs 21:23 Frac Stage #44 Complete All sand placed.... Chem add unit engine failed during 0.75 ppa 40/70, Flushed well and SD, SI well while repairs made.Resumed stage as designed
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NPT - 0.57 hrs  
21:38 Begin WL Stage #45  
Pump down: 10 bpm at 59 max psi using 5970 bbls  
Set Purple Seal CFP at 12926'. PUH and perforate as follows:  
12911' - 12909' (8), 12871' - 12869' (8), 12831' - 12829' (8), 12791' - 12789' (8), and 12751' - 12749' (8)  
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.  
POOH. RD WL @ 23:10. Inspected, plug set and all shots fired, dropped ball  
Good run.  
3:25 Prime & Test  
23:45 Begin Frac Stage #45  
Frac in progress at report time.  
Total NPT – 2.05 hrs

WL BHA Assembly		
Description	OD (in)	Length (ft)
Fishing Neck	2.00	1.00
Weight Bar	2.75	7.00
Weight Bar	2.75	7.00
CCL	2.75	1.50

Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Csg/3200 psi	Csg/3200 psi
UNIVERSITY 20 4702	Csg/3125 psi	Csg/3100 psi
UNIVERSITY 38–20 2H	Csg/4300 psi	Csg/4000 psi
UNIVERSITY 35–20 1H	Csg/ 400 psi	Csg/ 400 psi

Current Activity :  
24 hr Frac Operations

Next 24 hrs :  
Complete Frac Operation. RDMO

Time BreakdownDay Start Time : 00:00Total Hours : 24.00Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	00:25	0.42	COMP	06	WL Ops Frac	No	Continue perforate Stage # 41
00:25	00:40	0.25	COMP	07	Handover	No	Swap to Frac
00:40	01:06	0.43	COMP	35- 030	Frac - Pump Maintenance	No	Pump maint. packing
01:06	03:56	2.83	COMP	03	Frac Ops Pumping	No	Frac Stage # 41
03:56	04:11	0.25	COMP	07	Handover	No	Swap to WL
04:11	06:00	1.82	COMP	06	WL Ops Frac	No	Perforate Stage # 42
06:00	06:43	0.72	COMP	35- 110	Weather	Yes	WO Lightning to pass
06:43	09:17	2.57	COMP	03	Frac Ops Pumping	No	Frac Stage # 42
09:17	09:32	0.25	COMP	07	Handover	No	Swap to WL
09:32	11:50	2.30	COMP	06	WL Ops Frac	No	Perforate Stage # 43
11:50	12:05	0.25	COMP	07	Handover	No	Swap to Frac
12:05	12:25	0.33	COMP	35- 040	Frac - Sand delivery	Yes	WO 100 mesh.
12:25	15:15	2.83	COMP	03	Frac Ops Pumping	No	Frac Stage # 43
15:15	15:30	0.25	COMP	07	Handover	No	Swap to WL
15:30	17:25	1.92	COMP	06	WL Ops Frac	No	Perforate Stage # 44
17:25	17:35	0.17	COMP	07	Handover	No	Swap to Frac
17:35	19:26	1.85	COMP	03	Frac Ops Pumping	No	Frac Stage # 44
19:26	20:00	0.57	COMP	35- 050	Frac - Other	Yes	SD Chem add unit
20:00	21:23	1.38	COMP	03	Frac Ops Pumping	No	Continue frac stage # 44
21:23	21:38	0.25	COMP	07	Handover	No	Swap to WL
21:38	23:10	1.53	COMP	06	WL Ops Frac	No	Perforate Stage # 45
23:10	23:25	0.25	COMP	07	Handover	No	Swap to Frac
23:25	23:45	0.33	COMP	07	Handover	No	Prime & test
23:45	00:00	0.25	COMP	03	Frac Ops Pumping	No	Frac Stage # 45

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :	0.00
Cum Rig Hours :	15186.66
Rigs For Today :	Pumpco #2
KB Elevation :	2773.00 ft
KB To GL :	0.00 ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	
Last Safety Meeting :	
Meeting Topic :	

Contacts

Supervisor :	
Phone :	
Superintendent :	
Phone :	

Comments

Attachments



## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	20	Daily Cost :	\$344,786
Report Date :	8/20/2018	Cost To Date :	\$3,985,581
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,681,522

<b>Event Details</b>			
Event Objective : <span style="border: 1px solid black; padding: 2px;">Frac</span>			
Start : <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	Finish : <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	Workover # : <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></span>	

[illegible]

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl

# Daily Completions/WO Report



Location Information

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 601H

Property Number

43STRIPES601

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 330' FSWL

4249533792

Financials

Daily Cost : \$263,786

Cost To Date : \$4,249,368

AFE # : PB18100002

AFE : \$10,772,650

AFE Cost to Date : \$8,954,308

Report Information

Report # : 21

Report Date : 8/21/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2773.00

ft

Reserve Pit Freeboard : 0.00

ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective : Frac

Event Sub Type : Frac

Start :

Finish :

Workover # :

Plugback : 0.00

Tubing Config. :

Prod. Through :

Final Status :

Daily Summary

Summary (last 24 hrs) :

UL 20 STRIPES 38–47 601H Completions

8/20/18 00:00 8/21/18 00:00 Pumpco

HQDC4

23:45 Begin Frac Stage #45

OWH: 4710 psi Break at 8260 psi at 15 bpm

Pump 2000 gals of 15% HCL - 11617 bbls (Clean) pumped

ISIP: 5450 psi FG: 0.93 psi/ft

MP: 10450 psi MR: 80 bpm AP: 9621 psi AR: 77 bpm MPC: 2 ppg

Tot 100: 106710 lbs. Tot 40/70: 295980 lbs

FR - 483 gal; SI - 111 gal; Bio - 244 gal; Surf - 64 gal; SSI – 150 lbs

2:38 Frac Stage #45 Complete

Stage pumped as designed.

2:53 Begin WL Stage #46

Pump down: 10 bpm at 5440 max psi using 61 bbls

Set Purple Seal CFP at 12726'. PUH and perforate as follows:

12711' - 12709' (8), 12671' - 12669' (8), 12631' - 12629' (8), 12591' - 12589' (8), and 12551' - 12549' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 4:40. Inspected, plug set and all shots fired, dropped ball

Good run.

4:56 Begin Frac Stage #46

OWH: 4590 psi Break at 7120 psi at 15 bpm

Pump 2000 gals of 15% HCL - 11116 bbls (Clean) pumped

ISIP: 5430 psi FG: 0.93 psi/ft

MP: 10230 psi MR: 81 bpm AP: 9790 psi AR: 77.2 bpm MPC: 2 ppg

Tot 100: 103800 lbs. Tot 40/70: 304850 lbs

FR - 531 gal; SI - 146 gal; Bio - 243 gal; Surf - 111 gal; SSI-150 lbs

7:55 Frac Stage #46 Complete

No issuesAll sand placed.

8:15 Begin WL Stage #47

Pump down: 10 bpm at 5610 max psi using 35 bbls

Set Purple Seal CFP at 11302'. PUH and perforate as follows:

12511' - 12509' (8), 12471' - 12469' (8), 12431' - 12429' (8), 12391' - 12389' (8), and 12351' - 12349' (8)

2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

POOH. RD WL @ 9:45. Inspected, plug set and all shots fired, dropped ball

09:45-10:43- WO weather to pass. NPT 0.97 hrs

10:43 Begin Frac Stage #47

OWH: 4440 psi Break at 7750 psi at 15 bpm

Pump 2000 gals of 15% HCL - 10975 bbls (Clean) pumped

ISIP: 5250 psi FG: 0.91 psi/ft

MP: 10530 psi MR: 85.4 bpm AP: 11140 psi AR: 8990 bpm MPC: 2 ppg

Tot 100: 117410 lbs. Tot 40/70: 308170 lbs

FR - 482 gal; SI - 123 gal; Bio - 238 gal; Surf - 89 gal; SSI-150 lbs

13:32 Frac Stage #47 Complete

All sand placed.

13:32- Well is secure, Begin RDMO of frac and WL and all other associated equipment.

Current Activity :

RDMO

Next 24 hrs :

WO DO

Time Breakdown				Day Start Time : 00:00		Total Hours : 24.00	Time Code :	
Start Time	End Time	Hours	Phase	Activity			Time Code	
				Time Code	Description	NPT		
00:00	02:38	2.63	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 45	
02:38	02:53	0.25	COMP	07	Handover	No	Swap to WL	
02:53	04:40	1.78	COMP	06	WL Ops Frac	No	Perforate Stage # 46	
04:40	04:55	0.25	COMP	07	Handover	No	Swap to Frac	
04:55	08:00	3.08	COMP	03	Frac Ops Pumping	No	Frac Stage # 46	



08:00	08:15	0.25	COMP	07	Handover	No	Swap to WL
08:15	09:45	1.50	COMP	06	WL Ops Frac	No	Perforate Stage # 47
09:45	10:43	0.97	COMP	35- 110	Weather	Yes	Swap to Frac
10:43	13:38	2.92	COMP	03	Frac Ops Pumping	No	Frac Stage # 47
13:38	00:00	10.37	COMP	01	MIRU/ RDMO	No	Well is secure. Begin RDMO frac, WL

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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Rig Information

Daily NPT Cost :

Cum Rig Hours :

Rigs For Today :

KB Elevation : ft

KB To GL : ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Last Safety Meeting :

Meeting Topic :

Contacts

Supervisor :

Phone :

Superintendent :

Phone :

Comments

Attachments

Daily Attachment Folder(s)

## Daily Completions/WO Report



<b>Location Information</b>		<b>Bottom Hole Targets</b>	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 330' FSWL	4249533792
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 601H		
Property Number	43STRIPES601		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	21	Daily Cost :	\$263,786
Report Date :	8/21/2018	Cost To Date :	\$4,249,368
		AFE # :	PB18100002
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,954,308

Event Details

Event Objective :

Start :

Finish :

Workover # :

[illegible]

Swab/Flow Summary

Time	Tubing (psi)	Casing (psi)	Water Height (ft)	Water Rate (Gals/min)	Water Volume (bbl)	Oil Volume (bbl)	Choke Size in 64THs	Approx. Gas Rate (Mcf/d)	Sand Content	Water comments incl. oil volume to flare or vent	Flare comments incl. gas volume to flare or vent

Gas

Today : 0.0 Mcft

To Date : 0.0 Mcft

Oil

0.00 bbl

0.00 bbl

Water

0.00 bbl

0.00 bbl

Sand

0.00 bbl

0.00 bbl