

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 602H

Property Number

43STRIPES602

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FSWL

4249533805

Financials

Daily Cost : \$687

Cost To Date : \$19,707

AFE # : PB18100003

AFE : \$10,772,650

AFE Cost to Date : \$4,596,797

Report Information

Report # : 4

Report Date : 7/18/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2772.00

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 Toe opening

Current Activity :

WO Toe opening

Next 24 hrs :

WO Toe opening

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	04	No Activity	No	WO Toe opening

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 : 2772.00

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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	4	Daily Cost :	\$687
Report Date :	7/18/2018	Cost To Date :	\$19,707
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,596,797

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 602H

Property Number

43STRIPES602

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FSWL

4249533805

Financials

Daily Cost : \$687

Cost To Date : \$20,394

AFE # : PB18100003

AFE : \$10,772,650

AFE Cost to Date : \$4,597,484

Report Information

Report # : 5

Report Date : 7/19/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2772.00

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 Toe opening

Current Activity :

WO Toe opening

Next 24 hrs :

WO Toe opening

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	04	No Activity	No	WO Toe opening

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 : 2772.00

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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	5	Daily Cost :	\$687
Report Date :	7/19/2018	Cost To Date :	\$20,394
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,597,484

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

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 602H
Property Number	43STRIPES602
Prospect :	

Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805

Financials

Daily Cost :	\$5,242	Cost To Date :	\$25,834
AFE # :	PB18100003		
AFE :	\$10,772,650	AFE Cost to Date :	\$4,602,924

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 :	2772.00	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) :

12:50 Safety meeting held.
12:52 MIRU WadeCo Acid Services
12:55 Pressure test lines to 10,678 psi. Test successful
12:56 Open well start pumping water to pressure up the casing
12:59 Test casing to 4,000 psi for 1 minute. Test successful
13:01 Test casing to 5,000 psi for 1 minute. Test successful
13:03 Test casing to 8,000 psi for 5 minutes. Test successful
13:09 Test casing to 8,500 psi for 5 minutes. Test successful
13:13 Increase rate to open
13:17 Toe opened at 11,218 psi.
Increased rate to 6.5 bpm @ 7,949 psi; Pumped 102 bbl. into formation
13:32 ISIP = 7,877 psi
05 min @ 6,800 psi
10 min @ 5,500 psi
15 min @ 4,200 psi
13:50 Well is secure
14:10 RDMO

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	Activity			Time Code
				Time Code	Description	NPT	
00:00	12:50	12.83	COMP	04	No Activity	No	WO Toe opening
12:50	14:10	1.33	COMP	05	Pre Frac Well Prep	No	OPEN TOE
14:10	00:00	9.83	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 :	2772.00	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

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Attachments

Daily Attachment Folder(s)

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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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	6	Daily Cost :	\$5,242
Report Date :	7/20/2018	Cost To Date :	\$25,834
		A/E # :	PB18100003
		A/E :	\$10,772,650
		A/E Cost to Date :	\$4,602,924

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 602H

Property Number

43STRIPES602

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FSWL

4249533805

Financials

Daily Cost :

\$687

Cost To Date :

\$26,521

AFE # :

PB18100003

AFE :

\$10,772,650

AFE Cost to Date :

\$4,603,611

Report Information

Report # :

7

Report Date :

7/21/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2772.00

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 :

06:00

Total Hours :

18.00

Time Code :

Pre Frac

Start Time	End Time	Hours	Phase	Time Code	Description	NPT	Time Code
06:00	00:00	18.00	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 :

2772.00

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 22, 2018 08:06:18

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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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	7	Daily Cost :	\$687
Report Date :	7/21/2018	Cost To Date :	\$26,521
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,603,611

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> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> <div> <div></div> <div></div> </div> </div>						

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

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 602H
Property Number	43STRIPES602
Prospect :	

Bottom Hole Targets

UM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805

Financials

Daily Cost :	\$16,028	Cost To Date :	\$43,014
AFE # :	PB18100003		
AFE :	\$10,772,650	AFE Cost to Date :	\$4,629,104

Report Information

Report # :	7	Report Date :	8/21/2018
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Well Information

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

GL :	2772.00	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 602H Completions
8/21/18 00:00 8/22/18 00:00 Pumpco
HQDC4

Begin MIRU Pumpco Frac, Greens Isolation Tool, Terra Water Transfer & Perf-X WL

Current Activity :

MIRU

Next 24 hrs :

MIRU

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	00:00	24.00	COMP	01	MIRU/ RDMO	No	MIRU FRAC, WL, WT, preload sand silos

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 :	2772.00	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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	7	Daily Cost :	\$16,028
Report Date :	8/21/2018	Cost To Date :	\$43,014
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,629,104

Event Details

Event Objective :

Fracturing

Start :

11/1/2023

Finish :

11/1/2023

Workover # :

11/1/2023

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		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	9	Daily Cost :	\$324,710
Report Date :	8/23/2018	Cost To Date :	\$385,652
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,971,742

Well Information
 Design : Well Type : Sweet/Sour : Prospect :

Elevations		Target Formations	
GL :	<input type="text" value="2772.00"/>	ft	
Reserve Pit Freeboard :	<input type="text" value="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) :		
UL 20 STRIPES 38-47 602H Completions		
8/23/18 00:00 8/24/18 00:00 Pumpco		
HQDC4		
16:25 Begin Frac Stage #1		
OWH: 2620 psi Break at 0 psi at 10 bpm		
Pump 4000 gals of 15% HCL - 8758 bbls (Clean) pumped		
ISIP: 5600 psi FG: 0.96 psi/ft 5 min: 0 psi		
MP: 11150 psi MR: 73 bpm AP: 9309 psi AR: 65 bpm MPC: 1.67 ppg		
Tot 100: 47880 lbs. Tot 40/70: 208670 lbs		
FR - 464 gal; SI - 65 gal; Bio - 176 gal; Surf - 109 gal; SSI - 150 lbs		
00:25 Frac Stage #1 Complete		
Could only achieve a max of 73 bpm for a short time due to pump limitations. Pumped sand volume as per design		
00:55 Pump maintenance, Fuel pumps, Swap out pop off valve.		
03:00 Drop 2.813" Actuation ball		
03:20 Shift Packers Plus Sleeve as follows:		
21320' - 21317', 21278' - 21275', 21236' - 21233', and 21194' - 21191'		
3:20 Begin Frac Stage #2		
OWH: 4440 psi Break at 8160 psi at 10 bpm		
Pump 2000 gals of 15% HCL - 12088 bbls (Clean) pumped		
ISIP: 5400 psi FG: 0.94 psi/ft		
MP: 10770 psi MR: 81.2 bpm AP: 9930 psi AR: 70.1 bpm MPC: 2 ppg		
Tot 100: 104245 lbs. Tot 40/70: 304410 lbs		
FR - 597 gal; SI - 196 gal; Bio - 274 gal; Surf - 155 gal; SSI-150 lbs		
7:02 Frac Stage #2 Complete		
Lost several pumps limiting rate to 70 bpm. During 1.75 stage Lost prime on blender due to sucking air on tanks. 8" valve on tank 2 is backwards.		
Terra had bad crew change where it wasn't relayed on. Ran WBV Continue stage ramping back up to 2.0 ppa. All sand placed.		
07:02-09:30 Pumpco pump maintenance, Switch out 2 pumps. PT and change out burst disc on pump. NPT 2.47 hrs		
09:30-09:57 Drop 2.938" Actuation ball		
Shift Packers Plus Sleeve as follows:		
21153' - 21150', 21111' - 21108, 21069' - 21066, and 21027' - 21024'		
9:57 Begin Frac Stage #3		
OWH: 4410 psi Break at 9000 psi at 10 bpm		
Pump 2000 gals of 15% HCL - 11909 bbls (Clean) pumped		
ISIP: 5400 psi FG: 0.99 psi/ft		
MP: 57800 psi MR: 80.6 bpm AP: 9939 psi AR: 64.6 bpm MPC: 2 ppg		
Tot 100: 105065 lbs. Tot 40/70: 304100 lbs		
FR - 668 gal; SI - 239 gal; Bio - 223 gal; Surf - 156 gal; SSI-150 lbs		
15:18 Frac Stage #3 Complete		
Sweep well with WBV. SD to fuel pumps, isolate pump with bad hose, change out sanded hoses on 4 pumps. Continue stage ramping sand up to 1.25 and resume pump schedule. All sand placed.		
15:18 Grease wellhead valves		
15:33 Pump Maintenance		
16:45 Repair Crown valve		
18:59 Begin Frac Stage #4		
OWH: 4290 psi Break at 9070 psi at 12 bpm		
Pump 2000 gals of 15% HCL - 12398 bbls (Clean) pumped		
ISIP: 5670 psi FG: 0.9 psi/ft 5 min: 0 psi		
MP: 10800 psi MR: 71 bpm AP: 9958 psi AR: 67 bpm MPC: 1.91 ppg		
Tot 100: 105205 lbs. Tot 40/70: 301780 lbs		
FR - 744 gal; SI - 181 gal; Bio - 241 gal; Surf - 135 gal; SSI - 150 lbs		
23:34 Frac Stage #4 Complete		
Flushed after .75# 40/70 sand to fuel up pumps. Lost 5 pumps during stage. Pumped sand volume as per design.		
00:00 Packing pumps at time of report		
NPT - Pumpco - 2.58 hrs - Pump maintenance and swap out pop off valve		
Pumpco - 2.47 hrs - Pump Maintenance		
Pumpco - 1.20 hrs - Pump Maintenance and swap out pop off valve		
Greenes - 2.00 hrs - Rebuild Crown Valve		
Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Tbg 2490 - Csg 3105 psi	Tbg 2825 psi - Csg 4594 psi

UNIVERSITY 20 4702 Tbg 3100 - Csg 2992 psi Tbg 3100 psi - Csg 3039 psi
UNIVERSITY 38–20 2H Tbg 4360 - Csg 3582 psi Tbg 4300 psi - Csg 3550 psi
UNIVERSITY 35–20 1H Tbg 220 - Csg 1010 psi Tbg 403 psi - Csg 1100 psi

AFE# PB18100003
Daily Cost: \$324,710
Cost to Date: \$385,652
AFE: \$10,772,650
AFE Cost to Date: \$4,971,742

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	00:25	0.42	COMP	03	Frac Ops Pumping	No	Frac Stage # 1			
00:25	03:00	2.58	COMP	35- 030	Frac - Pump Maintenance	Yes	Fuel Equipment and Pump Maintenance. Swap out pop off valve			
03:00	03:20	0.33	COMP	07	Handover	No	Drop 2. 813" Actuation Ball			
03:20	07:02	3.70	COMP	03	Frac Ops Pumping	No	Frac Stage # 2			
07:02	09:30	2.47	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance, switch out 1 pump, Replace burst disc in pump.			
09:30	09:57	0.45	COMP	07	Handover	No	Drop 2. 938" Actuation Ball			
09:57	13:08	3.18	COMP	03	Frac Ops Pumping	No	Frac Stage # 3			
13:08	14:13	1.08	COMP	35- 050	Frac - Other	Yes	SD to fuel pumps, isolate pump with bad hose, change out sanded hoses on 4 pumps.			
14:13	15:18	1.08	COMP	03	Frac Ops Pumping	No	Resume stage # 3 frac			
15:18	15:33	0.25	COMP	07	Handover	No	Grease well			
15:33	16:45	1.20	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance, packing, D Ring, Change out pop off			
16:45	18:45	2.00	COMP	35- 080	Wellhead Failure	Yes	Work on Crown Valve			
18:45	19:00	0.25	COMP	07	Handover	No	Drop 3. 063" Actuation Ball			
19:00	23:33	4.55	COMP	03	Frac Ops Pumping	No	Frac Stage # 4			
23:33	23:55	0.37	COMP	07	Handover	No	Fueling Equipment			
23:55	00:00	0.08	COMP	35- 030	Frac - Pump Maintenance	Yes	Packing pumps			

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

Rig Information

Daily NPT Cost : 4500.00
Cum Rig Hours : 6133.33
Rigs For Today : Pumpco #2
KB Elevation : 2772.00 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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	9	Daily Cost :	\$324,710
Report Date :	8/23/2018	Cost To Date :	\$385,652
		A/E # :	PB18100003
		A/E :	\$10,772,650
		A/E Cost to Date :	\$4,971,742

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		Bottom Hole Targets	
AREA	Permian	UWI	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	9	Daily Cost :	\$324,710
Report Date :	8/24/2018	Cost To Date :	\$385,652
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,971,742

Well Information			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
Elevations		Target Formations	
GL :	2772.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

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

Daily Summary
Summary (last 24 hrs) :
UL 20 STRIPES 38–47 602H Completions 8/23/18 00:00 8/24/18 00:00 Pumpco HQDC4
16:25 Begin Frac Stage #1 OWH: 2620 psi Break at 0 psi at 10 bpm Pump 4000 gals of 15% HCL - 8758 bbls (Clean) pumped ISIP: 5600 psi FG: 0.96 psi/ft 5 min: 0 psi MP: 11150 psi MR: 73 bpm AP: 9309 psi AR: 65 bpm MPC: 1.67 ppg Tot 100: 47880 lbs. Tot 40/70: 208670 lbs FR - 464 gal; SI - 65 gal; Bio - 176 gal; Surf - 109 gal; SSI - 150 lbs 00:25 Frac Stage #1 Complete Could only achieve a max of 73 bpm for a short time due to pump limitations. Pumped sand volume as per design 00:55 Pump maintenance, Fuel pumps, Swap out pop off valve. 03:00 Drop 2.813" Actuation ball 03:20 Shift Packers Plus Sleeve as follows: 21320' - 21317', 21278' - 21275', 21236' - 21233', and 21194' - 21191' 3:20 Begin Frac Stage #2 OWH: 4440 psi Break at 8160 psi at 10 bpm Pump 2000 gals of 15% HCL - 12088 bbls (Clean) pumped ISIP: 5400 psi FG: 0.94 psi/ft MP: 10770 psi MR: 81.2 bpm AP: 9930 psi AR: 70.1 bpm MPC: 2 ppg Tot 100: 104245 lbs. Tot 40/70: 304410 lbs FR - 597 gal; SI - 196 gal; Bio - 274 gal; Surf - 155 gal; SSI-150 lbs 7:02 Frac Stage #2 Complete Lost several pumps limiting rate to 70 bpm. During 1.75 stage Lost prime on blender due to sucking air on tanks. 8" valve on tank 2 is backwards. Terra had bad crew change where it wasn't relayed on. Ran WBV Continue stage ramping back up to 2.0 ppa. All sand placed. 07:02-09:30 Pumpco pump maintenance, Switch out 2 pumps. PT and change out burst disc on pump. NPT 2.47 hrs 09:30-09:57 Drop 2.938" Actuation ball Shift Packers Plus Sleeve as follows: 21153' - 21150', 21111' - 21108, 21069' - 21066, and 21027' - 21024' 9:57 Begin Frac Stage #3 OWH: 4410 psi Break at 9000 psi at 10 bpm Pump 2000 gals of 15% HCL - 11909 bbls (Clean) pumped ISIP: 5400 psi FG: 0.99 psi/ft MP: 57800 psi MR: 80.6 bpm AP: 9939 psi AR: 64.6 bpm MPC: 2 ppg Tot 100: 105065 lbs. Tot 40/70: 304100 lbs FR - 668 gal; SI - 239 gal; Bio - 223 gal; Surf - 156 gal; SSI-150 lbs 15:18 Frac Stage #3 Complete Sweep well with WBV. SD to fuel pumps, isolate pump with bad hose, change out sanded hoses on 4 pumps. Continue stage ramping sand up to 1.25 and resume pump schedule. All sand placed. 15:18 Grease wellhead valves 15:33 Pump Maintenance 16:45 Repair Crown valve 18:59 Begin Frac Stage #4 OWH: 4290 psi Break at 9070 psi at 12 bpm Pump 2000 gals of 15% HCL - 12398 bbls (Clean) pumped ISIP: 5670 psi FG: 0.9 psi/ft 5 min: 0 psi MP: 10800 psi MR: 71 bpm AP: 9958 psi AR: 67 bpm MPC: 1.91 ppg Tot 100: 105205 lbs. Tot 40/70: 301780 lbs FR - 744 gal; SI - 181 gal; Bio - 241 gal; Surf - 135 gal; SSI – 150 lbs 23:34 Frac Stage #4 Complete Flushed after .75# 40/70 sand to fuel up pumps. Lost 5 pumps during stage. Pumped sand volume as per design. 00:00 Packing pumps at time of report
NPT – Pumpco – 2.58 hrs - Pump maintenance and swap out pop off valve Pumpco – 2.47 hrs - Pump Maintenance Pumpco – 1.20 hrs - Pump Maintenance and swap out pop off valve Greenes – 2.00 hrs - Rebuild Crown Valve
Offset Wells: Yesterday Today UNIVERSITY 20 4701 Tbg 2490 - Csg 3105 psi Tbg 2825 psi - Csg 4594 psi

UNIVERSITY 20 4702 Tbg 3100 - Csg 2992 psi Tbg 3100 psi - Csg 3039 psi
UNIVERSITY 38–20 2H Tbg 4360 - Csg 3582 psi Tbg 4300 psi - Csg 3550 psi
UNIVERSITY 35–20 1H Tbg 220 - Csg 1010 psi Tbg 403 psi - Csg 1100 psi

AFE# PB18100003
Daily Cost: \$324,710
Cost to Date: \$385,652
AFE: \$10,772,650
AFE Cost to Date: \$4,971,742

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	00:25	0.42	COMP	03	Frac Ops Pumping	No	Frac Stage # 1			
00:25	03:00	2.58	COMP	35- 030	Frac - Pump Maintenance	Yes	Fuel Equipment and Pump Maintenance. Swap out pop off valve			
03:00	03:20	0.33	COMP	07	Handover	No	Drop 2. 813" Actuation Ball			
03:20	07:02	3.70	COMP	03	Frac Ops Pumping	No	Frac Stage # 2			
07:02	09:30	2.47	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance, switch out 1 pump, Replace burst disc in pump.			
09:30	09:57	0.45	COMP	07	Handover	No	Drop 2. 938" Actuation Ball			
09:57	13:08	3.18	COMP	03	Frac Ops Pumping	No	Frac Stage # 3			
13:08	14:13	1.08	COMP	35- 050	Frac - Other	Yes	SD to fuel pumps, isolate pump with bad hose, change out sanded hoses on 4 pumps.			
14:13	15:18	1.08	COMP	03	Frac Ops Pumping	No	Resume stage # 3 frac			
15:18	15:33	0.25	COMP	07	Handover	No	Grease well			
15:33	16:45	1.20	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance, packing, D Ring, Change out pop off			
16:45	18:45	2.00	COMP	35- 080	Wellhead Failure	Yes	Work on Crown Valve			
18:45	19:00	0.25	COMP	07	Handover	No	Drop 3. 063" Actuation Ball			
19:00	23:33	4.55	COMP	03	Frac Ops Pumping	No	Frac Stage # 4			
23:33	23:55	0.37	COMP	07	Handover	No	Fueling Equipment			
23:55	00:00	0.08	COMP	35- 030	Frac - Pump Maintenance	Yes	Packing pumps			

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

Rig Information

Daily NPT Cost : 4500.00
Cum Rig Hours : 6133.33
Rigs For Today : Pumpco #2
KB Elevation : 2772.00 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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	9	Daily Cost :	\$324,710
Report Date :	8/24/2018	Cost To Date :	\$385,652
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$4,971,742

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>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 602H

Property Number

43STRIPES602

Prospect :

Report Information

Report # :

10

Report Date :

8/25/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2772.00

ft

Reserve Pit Freeboard :

0.00

ft

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FSWL

4249533805

Financials

Daily Cost :

\$256,026

Cost To Date :

\$641,679

AFE # :

PB18100003

AFE :

\$10,772,650

AFE Cost to Date :

\$5,227,769

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 602H Completions
8/24/18 00:00 8/25/18 00:00 Pumpco
HQDC4

00:00 Packing pumps
3:20 Begin Frac Stage #5
OWH: 4250 psi Break at 9550 psi at 10.38 bpm
Pump 2000 gals of 15% HCL - 11247 bbls (Clean) pumped
ISIP: 5340 psi FG: 0.94 psi/ft
MP: 10860 psi MR: 80 bpm AP: 97891 psi AR: 71 bpm MPC: 2 ppg
Tot 100: 103985 lbs. Tot 40/70: 298310 lbs
FR - 738 gal; SI - 185 gal; Bio - 194 gal; Surf - 184 gal; SSI-150 lbs
9:03 Frac Stage #5 Complete
Shut down after 100 mesh to refuel pumps, Pump 9 fuel equalization line was closed. Lost 6 pumps during 100 mesh, repack 3 pumps. Resume stage, All sand placed. 5.36 hrs NPT
09:03-10:03- Pump maintenance 1 hr NPT
10:03-10:33- Drop 3.313 Actuation ball.
10:36 Begin Frac Stage #6
OWH: 4450 psi Break at 9590 psi at 10 bpm
Pump 2000 gals of 15% HCL - 11090 bbls (Clean) pumped
ISIP: 5630 psi FG: 0.94 psi/ft
MP: 11000 psi MR: 75.1 bpm AP: 10262 psi AR: 66.2 bpm MPC: 1.87 ppg
Tot 100: 102855 lbs. Tot 40/70: 301470 lbs
FR - 627 gal; SI - 134 gal; Bio - 202 gal; Surf - 115 gal; SSI-150 lbs
14:09 Frac Stage #6 Complete
All sand placed, Lost 5 pumps during stage, rate was limited to 67 bpm.
14:09 Pump Maintenance and swap out pumps
16:53 Begin Frac Stage #7
OWH: 4150 psi Break at 8750 psi at 10.52 bpm
Pump 2000 gals of 15% HCL - 11503 bbls (Clean) pumped
ISIP: 5450 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 10600 psi MR: 73 bpm AP: 9582 psi AR: 69 bpm MPC: 1.93 ppg
Tot 100: 103855 lbs. Tot 40/70: 307730 lbs
FR - 735 gal; SI - 100 gal; Bio - 213 gal; Surf - 23 gal; SSI – 150 lbs
20:57 Frac Stage #7 Complete
Blew 3"line gasket during .75# 100 mesh. Shut down and made repairs. Unable to get rate due to pumps. Pumped sand volume as per design.
20:57 Fuel pumps and drop 3.563 Actuation Ball
21:27 Pack pumps and swap out 1 pump
22:27 Begin Frac Stage #8
Fracing Stage #8 @ time of report

NPT – 10.09 hrs – All Pumpco
Pumpco - 3.16 hrs – Packing Pumps
Pumpco - 2.20 hrs – Fuel equipment and pack pumps
Pumpco - 1.00 hrs – Pack Pumps
Pumpco - 2.73 hrs – Pack pumps and swap out pump
Pumpco - 1.00 hrs – Pack Pumps

Offset Wells: Yesterday Today
UNIVERSITY 20 4701 Tbg 2825 - Csg 4594 psi Tbg 2840 psi - Csg 4338 psi
UNIVERSITY 20 4702 Tbg 3100 - Csg 3039 psi Tbg 3400 psi - Csg 3375 psi
UNIVERSITY 38–20 2H Tbg 4300 - Csg 3550 psi Tbg 4350 psi - Csg 3550 psi
UNIVERSITY 35–20 1H Tbg 403 - Csg 1100 psi Tbg 160 psi - Csg 1000 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
				Description	NPT

Page 1

00:00	03:05	3.08	COMP	35- 030	Frac - Pump Maintenance	Yes	Packing Pumps
03:05	03:20	0.25	COMP	07	Handover	No	Drop 3. 188 Actuation Ball
03:20	05:20	2.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 5
05:20	07:32	2.20	COMP	35- 050	Frac - Other	Yes	SD to fuel pumps, Lost 6 pumps during 100 mesh, Repack 3 pumps.
07:32	09:03	1.52	COMP	03	Frac Ops Pumping	No	Resume stage # 5 frac
09:03	10:03	1.00	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump maintenance.
10:03	10:36	0.55	COMP	07	Handover	No	Drop 3. 313 Actuation Ball
10:36	14:09	3.55	COMP	03	Frac Ops Pumping	No	Frac Stage # 6
14:09	16:53	2.73	COMP	35- 030	Frac - Pump Maintenance	Yes	Swap out pumps, packing.
16:53	20:57	4.07	COMP	03	Frac Ops Pumping	No	Frac Stage # 7
20:57	21:27	0.50	COMP	07	Handover	No	Fuel pumps and drop 3. 563 Actuation Ball
21:27	22:27	1.00	COMP	35- 030	Frac - Pump Maintenance	Yes	Pack pumps and swap out pump
22:27	00:00	1.55	COMP	03	Frac Ops Pumping	No	Frac Stage # 8

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

Rig Information	Safety	Contacts
Daily NPT Cost : <input type="text" value="6726.67"/>	Last Sr Inspect : <input type="text"/>	Supervisor : <input type="text"/>
Cum Rig Hours : <input type="text" value="12860.00"/>	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="2772.00"/> 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"/>	

Comments
<div></div>

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

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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	10	Daily Cost :	\$256,026
Report Date :	8/25/2018	Cost To Date :	\$641,679
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,227,769

Event Details			
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

Mcf

To Date :

0.0

Mcf

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 602H

Property Number

43STRIPES602

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FSWL

4249533805

Financials

Daily Cost :

\$198,332

Cost To Date :

\$840,011

AFE # :

PB18100003

AFE :

\$10,772,650

AFE Cost to Date :

\$5,426,101

Report Information

Report # :

11

Report Date :

8/26/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2772.00

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 602H Completions

8/25/18 00:00 8/26/18 00:00 Pumpco

HQDC4

23:27 Begin Frac Stage #8

OWH: 5240 psi Break at 8900 psi at 10 bpm

Pump 2000 gals of 15% HCL - 11014 bbls (Clean) pumped

ISIP: 5250 psi FG: 0.92 psi/ft 5 min: N/A psi

MP: 10590 psi MR: 81.8 bpm AP: 9508 psi AR: 73.5 bpm MPC: 1.90 ppg

Tot 100: 103915 lbs. Tot 40/70: 303750 lbs

FR - 574 gal; SI - 174 gal; Bio - 224 gal; Surf - 91 gal; SSI – 150 lbs

2:36 Frac Stage #8 Complete

Placed sand volume as per design

02:36 WL on WH. PSI test Lubricator to 8K. Good Test

3:30 Begin WL Stage #9

Pump down: 12 bpm at 6630 max psi using 722 bbls

Set Purple seal at 10131'. PUH and perforate as follows:

20116' - 20114' (8), 20076' - 20074' (8), 20036' - 20034' (8), 19996' - 19994' (8), and 19956' - 19954' (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 @ 12:00. Inspected, plug set and all shots fired, dropped ball

During initial pump down WL sat down at 19920' decision was made to pooh, and log out. Did an injection test with 1000 gal 15% HCL, and WBV.

RIH sat down again at 19960' POOH 200' pumped back down and reached desired depth. All shots fired.

12:15- NPT 1.75 hrs. Pumpco having trouble getting pressure test. Leaks on missile and pumps.

14:00 Begin Frac Stage #9

OWH: 3870 psi Break at 8920 psi at 15 bpm

Pump 3000 gals of 15% HCL - 11381 bbls (Clean) pumped

ISIP: 5500 psi FG: 0.96 psi/ft 5 min: N/A psi

MP: 10480 psi MR: 77 bpm AP: 8890 psi AR: 62.1 bpm MPC: 1.92 ppg

Tot 100: 107015 lbs. Tot 40/70: 304240 lbs

FR - 624 gal; SI - 124 gal; Bio - 235 gal; Surf - 208 gal; SSI – 150 lbs

17:39 Frac Stage #9 Complete

Pressure test issues prior to stage 1.75 Hrs NPT. SD during pad isolate pump 3 cracked fluid end. Lost 4 more pumps during 100 mesh. Pumped

sand volume as per design

18:15 Begin WL Stage #10

Pump down: 12 bpm at 6780 max psi using 357 bbls

Set Purple seal at 19931'. PUH and perforate as follows:

19916' - 19914' (8), 19876' - 19874' (8), 19836' - 19834' (8), 19796' - 19794' (8), and 19756' - 19754' (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 @ 21:10. Inspected, plug set and all shots fired, dropped ball

Good Run

21:25 Begin Frac Stage #10

00:00 Fracing Stage #10 @ time of report

NPT – 1.75 hrs

Pumpco – 1.75 hrs – Trouble getting psi test.

Offset Wells:

Yesterday

Today

UNIVERSITY 20 4701

Tbg 2840 - Csg 4338 psi

Tbg 2790 psi - Csg 3966 psi

UNIVERSITY 20 4702

Tbg 3400 - Csg 3375 psi

Tbg 3900 psi - Csg 3938 psi

UNIVERSITY 38–20 2H

Tbg 4350 - Csg 3550 psi

Tbg 4375 psi - Csg 3583 psi

UNIVERSITY 35–20 1H

Tbg 160 - Csg 1000 psi

Tbg 176 psi - Csg 1215 psi

Current Activity :

24 hr Frac Operations

Next 24 hrs :

24 hr Frac Operations

Time Breakdown				Day Start Time :		Total Hours :		Time Code :	
Start Time	End Time	Hours	Phase	Activity			Time Code		
				Time Code	Description	NPT			
00:00	02:36	2.60	COMP	03	Frac Ops Pumping	No	Frac Stage # 8		

02:36	03:30	0.90	COMP	07	Handover	No	Swap to WL. PSI test lubricator to 8K. Good Test
03:30	05:00	1.50	COMP	35- 060	Wireline	No	Perforate Stage # 9 Sat down at 19, 920 CCL depth. POOH
05:00	08:00	3.00	COMP	35- 060	Wireline	No	Log out of well.
08:00	08:30	0.50	COMP	35- 060	Wireline	No	Handover to Frac
08:30	09:00	0.50	COMP	35- 060	Wireline	No	Injection test/ Flush
09:00	09:15	0.25	COMP	35- 060	Wireline	No	Swap to WL
09:15	12:00	2.75	COMP	06	WL Ops Frac	No	Perforate Stage #9
12:00	12:15	0.25	COMP	07	Handover	No	Swap to Frac.
12:15	14:00	1.75	COMP	35- 060	Frac - Other	Yes	Trouble getting pressure test. Leak on pumps and missile
14:00	17:39	3.65	COMP	03	Frac Ops Pumping	No	Frac Stage # 9
17:39	18:15	0.60	COMP	07	Handover	No	Swap to WL
18:15	21:10	2.92	COMP	06	WL Ops Frac	No	Perforate Stage # 10
21:10	21:25	0.25	COMP	07	Handover	No	Swap to Frac
21:25	00:00	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 10

Personnel Hours

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

Daily NPT Cost : 1166.67
Cum Rig Hours : 14026.67
Rigs For Today : Pumpco #2
KB Elevation : 2772.00 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



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	11	Daily Cost :	\$198,332
Report Date :	8/26/2018	Cost To Date :	\$840,011
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,426,101

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		Bottom Hole Targets	
AREA	Permian	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	12	Daily Cost :	\$360,818
Report Date :	8/27/2018	Cost To Date :	\$1,200,829
		A/E # :	PB18100003
		A/E :	\$10,772,650
		A/E Cost to Date :	\$5,786,919

Well Information
 Design : Well Type : Sweet/Sour : Prospect :

Elevations		Target Formations	
GL : <input style="width: 80%;" type="text" value="2772.00"/>	ft	Reserve Pit Freeboard : <input style="width: 80%;" type="text" value="0.00"/>	ft

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

<p>Summary (last 24 hrs) :</p> <p>UL 20 STRIPES 38-47 602H Completions</p> <p>8/26/18 00:00 8/27/18 00:00 Pumpco</p> <p>HQDC4</p> <p>21:25 Begin Frac Stage #10</p> <p>OWH: 4410 psi Break at 9370 psi at 15 bpm</p> <p>Pump 3000 gals of 15% HCL - 11303 bbls (Clean) pumped</p> <p>ISIP: 5500 psi FG: 0.95 psi/ft 5 min: N/A psi</p> <p>MP: 10810 psi MR: 87 bpm AP: 10650 psi AR: 86 bpm MPC: 1.92 ppg</p> <p>Tot 100: 105320 lbs. Tot 40/70: 308180 lbs</p> <p>FR - 646 gal; SI - 121 gal; Bio - 234 gal; Surf - 95 gal; SSI - 150 lbs</p> <p>0:20 Frac Stage #10 Complete</p> <p>Pumped sand volume as per design</p> <p>0:35 Begin WL Stage #11</p> <p>Pump down: 12 bpm at 6410 max psi using 305 bbls</p> <p>Set Purple seal at 19730'. PUH and perforate as follows:</p> <p>19716' - 19714' (8), 19676' - 19674' (8), 19636' - 19634' (8), 19596' - 19594' (8), and 19556' - 19554' (8)</p> <p>2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.</p> <p>POOH. RD WL @ 3:40. Inspected, plug set and all shots fired, dropped ball</p> <p>Good Run</p> <p>4:28 Begin Frac Stage #11</p> <p>OWH: 4540 psi Break at 8190 psi at 15 bpm</p> <p>Pump 2000 gals of 15% HCL - 11205 bbls (Clean) pumped</p> <p>ISIP: 5960 psi FG: 1 psi/ft</p> <p>MP: 10950 psi MR: 88.6 bpm AP: 9163 psi AR: 85.2 bpm MPC: 2 ppg</p> <p>Tot 100: 107660 lbs. Tot 40/70: 304810 lbs</p> <p>FR - 664 gal; SI - 128 gal; Bio - 226 gal; Surf - 92 gal; SSI-150 lbs</p> <p>7:13 Frac Stage #11 Complete</p> <p>All sand placed to design. Prior to stage trouble pressure testing. NPT 0.80 hrs.</p> <p>7:30 Begin WL Stage #12</p> <p>Pump down: 10 bpm at 6350 max psi using 308 bbls</p> <p>Set Purple seal at 19531'. PUH and perforate as follows:</p> <p>19516' - 19514' (8), 19476' - 19474' (8), 19436' - 19434' (8), 19396' - 19394' (8), and 19356' - 19354' (8)</p> <p>2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.</p> <p>POOH. RD WL @ 10:30. Inspected, plug set and all shots fired, dropped ball</p> <p>Good Run.</p> <p>11:34 Begin Frac Stage #12</p> <p>OWH: 4470 psi Break at 9060 psi at 15 bpm</p> <p>Pump 2000 gals of 15% HCL - 11271 bbls (Clean) pumped</p> <p>ISIP: 5430 psi FG: 1 psi/ft</p> <p>MP: 10460 psi MR: 82.5 bpm AP: 9987 psi AR: 76.2 bpm MPC: 2 ppg</p> <p>Tot 100: 106675 lbs. Tot 40/70: 304550 lbs</p> <p>FR - 503 gal; SI - 178 gal; Bio - 227 gal; Surf - 68 gal; SSI-150 lbs</p> <p>14:30 Frac Stage #12 Complete</p> <p>Pump maintenance prior to stage. NPT .82 hrs. All sand placed to design</p> <p>14:45 Begin WL Stage #13</p> <p>Pump down: 10 bpm at 6570 max psi using 312 bbls</p> <p>Set Purple seal at 19331'. PUH and perforate as follows:</p> <p>19316' - 19314' (8), 19276' - 19274' (8), 19236' - 19234' (8), 19196' - 19194' (8), and 19156' - 19154' (8)</p> <p>2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.</p> <p>POOH. RD WL @ 17:00. Inspected, plug set and all shots fired, dropped ball</p> <p>Good Run</p> <p>18:17 Begin Frac Stage #13</p> <p>OWH: 4770 psi Break at 8190 psi at 15 bpm</p> <p>Pump 2000 gals of 15% HCL - 11340 bbls (Clean) pumped</p> <p>ISIP: 5520 psi FG: 0.95 psi/ft 5 min: N/A psi</p> <p>MP: 10740 psi MR: 85 bpm AP: 10450 psi AR: 82 bpm MPC: 2 ppg</p> <p>Tot 100: 103825 lbs. Tot 40/70: 302880 lbs</p> <p>FR - 662 gal; SI - 210 gal; Bio - 238 gal; Surf - 113 gal; SSI - 150 lbs</p> <p>21:24 Frac Stage #13 Complete</p> <p>Pumped sand volume as per design</p> <p>21:40 Begin WL Stage #14</p> <p>23:40 Wait @ 200' for lightning storm to pass thru</p> <p>00:00 Waiting on storm at time of report</p> <p>NPT - 3.03 hrs</p> <p>0.80 - Pumpco - Trouble psi testing</p> <p>0.82 - Pumpco - Pump Maintenance</p>
--

1.08 – Pumpco - Pump Maintenance
0.33 – Energen - Wait @ 200' for lightning storm to pass thru

Offset Wells:

Yesterday

Tbg 2790 - Csg 3966 psi

Today

Tbg 2800 psi - Csg 3920 psi

UNIVERSITY 20 4701

Tbg 3900 - Csg 3938 psi

Tbg 4625 psi - Csg 4580 psi

UNIVERSITY 20 4702

Tbg 4375 - Csg 3583 psi

Tbg 4300 psi - Csg 3700 psi

UNIVERSITY 38–20 2H

Tbg 176 - Csg 1215 psi

Tbg 1100 psi - Csg 490 psi

UNIVERSITY 35–20 1H

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	00:20	0.33	COMP	03	Frac Ops Pumping	No	Frac Stage # 10
00:20	00:35	0.25	COMP	07	Handover	No	Swap to WL
00:35	03:40	3.08	COMP	06	WL Ops Frac	No	Perforate Stage # 11
03:40	04:28	0.80	COMP	35- 010	Frac - Frac Iron	Yes	Pressure test issues, packing, change out low torque.
04:28	07:15	2.78	COMP	03	Frac Ops Pumping	No	Frac Stage # 11
07:15	07:30	0.25	COMP	07	Handover	No	Swap to WL
07:30	10:30	3.00	COMP	06	WL Ops Frac	No	Perforate Stage # 12
10:30	10:45	0.25	COMP	07	Handover	No	Swap to frac.
10:45	11:34	0.82	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump Maintenance
11:34	14:30	2.93	COMP	03	Frac Ops Pumping	No	Frac Stage # 12
14:30	14:45	0.25	COMP	07	Handover	No	Swap to WL
14:45	17:00	2.25	COMP	06	WL Ops Frac	No	Perforate Stage # 13
17:00	17:15	0.25	COMP	07	Handover	No	Swap to Frac
17:15	18:17	1.03	COMP	35- 030	Frac - Pump Maintenance	No	Work on pumps
18:17	21:24	3.12	COMP	03	Frac Ops Pumping	No	Frac Stage # 13
21:24	21:40	0.27	COMP	07	Handover	No	Swap to WL
21:40	23:40	2.00	COMP	06	WL Ops Frac	No	Perforate Stage # 14
23:40	23:55	0.25	COMP	35- 110	Weather	Yes	Waited @ 200' for lightning storm to pass thru
23:55	00:00	0.08	COMP	06	WL Ops Frac	No	Perforate Stage # 17

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

Daily NPT Cost : 1986.67

Cum Rig Hours : 16013.34

Rigs For Today : Pumpco #2

KB Elevation : 2772.00 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 28, 2018 08:06:28

Page 2

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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
Report Information		Financials	
Report # :	12	Daily Cost :	\$360,818
Report Date :	8/27/2018	Cost To Date :	\$1,200,829
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,786,919

Event Details			
Event Objective : Frac			
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