

# 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 :	\$268,682	Cost To Date :	\$1,469,512
AFE # :	PB18100003		
AFE :	\$10,772,650	AFE Cost to Date :	\$6,055,602

## Report Information

Report # :	13	Report Date :	8/28/2018
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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 8/27/18 00:00    8/28/18 00:00    Pumpco HQDC4		
21:40 Begin WL Stage #14 Pump down: 12 bpm at 6780 max psi using 254 bbls Set Purple seal at 19131'.    PUH and perforate as follows: 19116' - 19114' (8), 19076' - 19074' (8), 19036' - 19034' (8), 18998' - 18996' (8), and 18958' - 18956' (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 @ 0:45. Inspected, plug set and all shots fired, dropped ball Good Run 1:25 Begin Frac Stage #14 OWH: 4670 psi    Break at 8460 psi at 15 bpm Pump 2000 gals of 15% HCL - 11080 bbls (Clean) pumped ISIP: 5500 psi    FG: 0.95 psi/ft MP: 10700 psi    MR: 84 bpm    AP: 10450 psi    AR: 80 bpm    MPC: 1.7490134175217 ppg Tot 100: 106760 lbs.    Tot 40/70: 304820 lbs FR - 503 gal; SI - 128 gal; Bio - 233 gal; Surf - 113 gal;SSI-150 lbs 4:22 Frac Stage #14 Complete All sand placed. 4:37 Begin WL Stage #15 Pump down: 10 bpm at 6810 max psi using 293 bbls Set Purple seal at 18931'.    PUH and perforate as follows: 18916' - 18914' (8), 18876' - 18874' (8), 18836' - 18834' (8), 18796' - 18794' (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 @ 7:40. Inspected, plug set and all shots fired, dropped ball Good Run. 9:40 Begin Frac Stage #15 OWH: 4460 psi    Break at 8500 psi at 15 bpm Pump 2000 gals of 15% HCL - 11133 bbls (Clean) pumped ISIP: 5860 psi    FG: 0.99 psi/ft MP: 10690 psi    MR: 83.3 bpm    AP: 9601 psi    AR: 76.5 bpm    MPC: 2 ppg Tot 100: 106720 lbs.    Tot 40/70: 303790 lbs FR - 589 gal; SI - 135 gal; Bio - 235 gal; Surf - 113 gal; SSI-150 lbs 12:54 Frac Stage #15 Complete 1.75 hrs NPT prior to stage.    Change out wheel valve and check valve. SD on pad to fix leaky chick. 13:09 Begin WL Stage #16 Pump down: 12 bpm at 7100 max psi using 295 bbls Set Purple seal at 18731'.    PUH and perforate as follows: 18716' - 18714' (8), 18676' - 18674' (8), 18636' - 18634' (8), 18596' - 18594' (8), and 18556' - 18554' (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 Good run. 16:00 Wait on lightning storm to pass thru NPT – 3.83 hrs 20:00 Begin Frac Stage #16 OWH: 4270 psi    Break at 8550 psi at 15 bpm Pump 2000 gals of 15% HCL - 10763 bbls (Clean) pumped ISIP: 5800 psi    FG: 0.95 psi/ft    5 min: N/A psi MP: 10660 psi    MR: 84 bpm    AP: 10400 psi    AR: 81 bpm    MPC: 2 ppg Tot 100: 105445 lbs.    Tot 40/70: 302690 lbs FR - 578 gal; SI - 131 gal; Bio - 238 gal; Surf - 90 gal; SSI – 150 lbs 22:51 Frac Stage #16 Complete Placed sand volume as per design 23:55 Begin WL Stage #17 Perforate Stage #17 @ time of report		
NPT– 2.25 hrs Pumpco/4.65 hrs Energen 0.75 hrs - Wait on Lightning 1.75 hrs - Change out ground valve and check valve 0.25 hrs - Change out chiksan 3.83 hrs - Wait on lightning 0.82 hrs - Wait on lightning		
Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Tbg 2800 - Csg 3920 psi	Tbg 3000 psi - Csg 3950 psi
UNIVERSITY 20 4702	Tbg 4625 - Csg 4580 psi	Tbg 4100 psi - Csg 4025 psi
UNIVERSITY 38–20 2H	Tbg 4300 - Csg 3700 psi	Tbg 3760 psi - Csg 3750 psi
UNIVERSITY 35–20 1H	Tbg 1100 - Csg 490 psi	Tbg 1100 psi - Csg 500 psi



AFE# PB18100003

Daily Cost: \$268,682  
Cost to Date: \$1,469,512  
AFE: \$10,772,650  
AFE Cost to Date: \$6,055,602

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	00:45	0.75	COMP	35- 110	Weather	Yes		Wait on lightning storm to pass thru	
00:45	01:00	0.25	COMP	06	WL Ops Frac	No		Perforate Stage # 14	
01:00	01:25	0.42	COMP	07	Handover	No		Swap to Frac. Reconnect electronics and fire up pumps.	
01:25	04:22	2.95	COMP	03	Frac Ops Pumping	No		Frac Stage # 14	
04:22	04:37	0.25	COMP	07	Handover	No		Swap to WL	
04:37	07:40	3.05	COMP	06	WL Ops Frac	No		Perforate Stage # 15	
07:40	07:55	0.25	COMP	07	Handover	No		Swap to frac.	
07:55	09:40	1.75	COMP	35- 010	Frac - Frac Iron	Yes		Change out ground valve and check valve, Pressure test.	
09:40	10:10	0.50	COMP	03	Frac Ops Pumping	No		Frac stage # 15	
10:10	10:25	0.25	COMP	35- 010	Frac - Frac Iron	Yes		SD to fix leak on chicksean off well head.	
10:25	12:54	2.48	COMP	03	Frac Ops Pumping	No		Frac stage # 15	
12:54	13:09	0.25	COMP	07	Handover	No		Swap to WL	
13:09	15:55	2.77	COMP	06	WL Ops Frac	No		Perforate Stage # 16	
15:55	16:10	0.25	COMP	07	Handover	No		Swap to Frac	
16:10	20:00	3.83	COMP	35- 110	Weather	Yes		Wait on Lightning Strom to pass thru	
20:00	22:51	2.85	COMP	03	Frac Ops Pumping	No		Frac Stage # 16	
22:51	23:06	0.25	COMP	07	Handover	No		Swap to WL	
23:06	23:55	0.82	COMP	35- 110	Weather	Yes		Wait on lightning to pass	
23:55	00:00	0.08	COMP	06	WL Ops Frac	No		Perforate Stage # 17	

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

Rig Information

Daily NPT Cost : 4933.33  
Cum Rig Hours :20946.67  
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



<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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	13	Daily Cost :	\$268,682
Report Date :	8/28/2018	Cost To Date :	\$1,469,512
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,055,602

<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



<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 & 1254' FSWL      4249533805	
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	14	Daily Cost :	\$283,884      Cost To Date : \$1,753,396
Report Date :	8/29/2018	AFE # :	PB18100003
		AFE :	\$10,772,650      AFE Cost to Date : \$6,339,486

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2772.00	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 602H Completions 8/28/18 00:00    8/29/18 00:00    Pumpco HQDC4
23:55 Begin WL Stage #17 Pump down: 12 bpm at 7020 max psi using 242 bbls Set Purple seal at 18531'.    PUH and perforate as follows: 18516' - 18514' (8), 18476' - 18474' (8), 18436' - 18434' (8), 18396' - 18394' (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 @ 2:30. Inspected, plug set and all shots fired, dropped ball Good Run 2:47 Begin Frac Stage #17 OWH: 4760 psi    Break at 8850 psi at 15 bpm Pump 2000 gals of 15% HCL - 11251 bbls (Clean) pumped ISIP: 5850 psi    FG: 0.95 psi/ft MP: 10810 psi    MR: 85.9 bpm    AP: 9880 psi    AR: 80.6 bpm    MPC: 2 ppg Tot 100: 101095 lbs.    Tot 40/70: 310370 lbs FR - 654 gal; SI - 137 gal; Bio - 238 gal; Surf - 89 gal; SSI-150 lbs 5:39 Frac Stage #17 Complete All sand placed to design 0:00 Begin WL Stage #18 Pump down: 12 bpm at 6900 max psi using 250 bbls Set Purple seal at 18331'.    PUH and perforate as follows: 18316' - 18314' (8), 18276' - 18274' (8), 18236' - 18234' (8), 18196' - 18194' (8), and 18156' - 18154' (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 @ 2:30. Inspected, plug set and all shots fired, dropped ball Good Run 9:25 Begin Frac Stage #18 OWH: 4860 psi    Break at 8630 psi at 15 bpm Pump 2000 gals of 15% HCL - 11174 bbls (Clean) pumped ISIP: 6320 psi    FG: 1.04 psi/ft MP: 10850 psi    MR: 86.6 bpm    AP: 10381 psi    AR: 81.6 bpm    MPC: 2 ppg Tot 100: 106200 lbs.    Tot 40/70: 304330 lbs FR - 662 gal; SI - 91 gal; Bio - 237 gal; Surf - 90 gal; SSI-150 lbs 12:10 Frac Stage #18 Complete.    Changed out hoses prior to stage .42 hrs NPT All sand placed 12:25 Begin WL Stage #19 Pump down: 10 bpm at 6910 max psi using 207 bbls Set Purple seal at 18131'.    PUH and perforate as follows: 18116' - 18114' (8), 18076' - 18074' (8), 18036' - 18034' (8), 17996' - 17994' (8), and 17956' - 17954' (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 @ 15:12. Inspected, plug set and all shots fired, dropped ball Good run. 15:40 Begin Frac Stage #19 OWH: 4810 psi    Break at 8040 psi at 16 bpm Pump 2000 gals of 15% HCL - 10841 bbls (Clean) pumped ISIP: 5750 psi    FG: 0.95 psi/ft    5 min: N/A psi MP: 10680 psi    MR: 85.3 bpm    AP: 9931 psi    AR: 79.3 bpm    MPC: 2.00 ppg Tot 100: 105120 lbs.    Tot 40/70: 298610 lbs FR - 545 gal; SI - 155 gal; Bio - 237 gal; Surf - 88 gal; SSI – 150 lbs 18:23 Frac Stage #19 Complete Placed sand volume as per design 18:38 Begin WL Stage #20 Pump down: 12 bpm at 6490 max psi using 255 bbls Set Purple seal at 17930'.    PUH and perforate as follows: 17916' - 17914' (8), 17876' - 17874' (8), 17836' - 17834' (8), 17796' - 17794' (8), and 17756' - 17754' (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 21:30 Begin Frac Stage #20 00:00 Fracing Stage #20 @ time of report
NPT – 0.42 hrs – Pumpco – Swap out hoses.
Offset Wells:
Yesterday
Today
UNIVERSITY 20 4701      Tbg 3000 - Csg 3950 psi      Tbg 2850 psi - Csg 3875 psi
UNIVERSITY 20 4702      Tbg 4100 - Csg 4025 psi      Tbg 3980 psi - Csg 3900 psi



AFE# PB18100003

Daily Cost: \$283,884  
Cost to Date: \$1,753,396  
AFE: \$10,772,650  
AFE Cost to Date: \$6,339,486

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	02:30	2.50	COMP	06	WL Ops Frac	No	Perforate Stage # 17
02:30	02:45	0.25	COMP	07	Handover	No	Swap to Frac
02:45	05:40	2.92	COMP	03	Frac Ops Pumping	No	Frac Stage # 17
05:40	05:55	0.25	COMP	07	Handover	No	Swapt to WL
05:55	08:45	2.83	COMP	06	WL Ops Frac	No	Perforate Stage # 18
08:45	09:00	0.25	COMP	07	Handover	No	Swap to Frac
09:00	09:25	0.42	COMP	35- 050	Frac - Other	Yes	Switch out hose on pump
09:25	12:10	2.75	COMP	03	Frac Ops Pumping	No	Frac stage # 18
12:10	12:25	0.25	COMP	07	Handover	No	Swap to WL
12:25	15:12	2.78	COMP	06	WL Ops Frac	No	Perforate Stage # 19
15:12	15:39	0.45	COMP	07	Handover	No	Swap to Frac Switch out light towers around frac iron.
15:39	18:23	2.73	COMP	03	Frac Ops Pumping	No	Frac stage # 19
18:23	18:38	0.25	COMP	07	Handover	No	Swap to WL
18:38	21:15	2.62	COMP	06	WL Ops Frac	No	Perforate Stage # 20
21:15	21:30	0.25	COMP	07	Handover	No	Swap to Frac
21:30	00:00	2.50	COMP	03	Frac Ops Pumping	No	Frac Stage # 20

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

Daily NPT Cost : 280.00

Cum Rig Hours : 21226.67

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)

P2 Energy Solutions Alberta, ULC

5.6.2

August 30, 2018 08:07:18

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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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	14	Daily Cost :	\$283,884
Report Date :	8/29/2018	Cost To Date :	\$1,753,396
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,339,486

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 : \$363,292

Cost To Date : \$2,480,841

AFE # : PB18100003

AFE : \$10,772,650

AFE Cost to Date : \$7,066,931

Report Information

Report # : 16

Report Date : 8/31/2018

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

8/30/18 00:00 8/31/18 00:00 Pumpco

HQDC4

22:36 Begin Frac Stage #24

OWH: 4880 psi Break at 9470 psi at 15 bpm

Pump 2000 gals of 15% HCL - 11186 bbls (Clean) pumped

ISIP: 5500 psi FG: 0.95 psi/ft 5 min: N/A psi

MP: 10740 psi MR: 87 bpm AP: 10165 psi AR: 84.5 bpm MPC: 2.0 ppg

Tot 100: 105382 lbs. Tot 40/70: 308520 lbs

FR - 580 gal; SI - 177 gal; Bio - 247 gal; Surf - 104 gal; SSI – 150 lbs

1:14 Frac Stage #24 Complete

Pumped sand volume as per design.

1:30 Begin WL Stage #25

Pump down: 12 bpm at 6220 max psi using 175 bbls

Set Purple seal at 16931'. PUH and perforate as follows:

16912' - 16910' (8), 16872' - 16870' (8), 16832' - 16830' (8), 16792' - 16790' (8), and 16752' - 16750' (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 @ 4:05. Inspected, plug set and all shots fired, dropped ball

Moved every cluster to avoid collars. Good Run

4:20 Begin Frac Stage #25

OWH: 4710 psi Break at 8390 psi at 15 bpm

Pump 2000 gals of 0.15% HCL - 11056 bbls (Clean) pumped

ISIP: 5880 psi FG: 1 psi/ft 5 min: n/n psi

MP: 10580 psi MR: 90 bpm AP: 9647 psi AR: 85 bpm MPC: 2 ppg

Tot 100: 106990 lbs. Tot 40/70: 307570 lbs

FR - 590 gal; SI - 137 gal; Bio - 235 gal; Surf - 83 gal; SSI – 150 lbs

7:03 Frac Stage #25 Complete

Pumped sand volume as per design.

7:15 Begin WL Stage #26

Pump down: 10 bpm at 6850 max psi using 159 bbls

Set Purple seal at 16731'. PUH and perforate as follows:

16716' - 16714' (8), 16676' - 16674' (8), 16636' - 16634' (8), 16596' - 16594' (8), and 16556' - 16554' (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 @ 9:50. Inspected, plug set and all shots fired, dropped ball

Gun run successful. Verified plug set and all guns fired.

10:01 Begin Frac Stage #26

OWH: 4790 psi Break at 8430 psi at 15 bpm

Pump 2000 gals of 0.15% HCL - 11005 bbls (Clean) pumped

ISIP: 5780 psi FG: 0.99 psi/ft 5 min: n/a psi

MP: 10870 psi MR: 84.5 bpm AP: 8599 psi AR: 81.5 bpm MPC: 2 ppg

Tot 100: 102325 lbs. Tot 40/70: 302290 lbs

FR - 637 gal; SI - 136 gal; Bio - 237 gal; Surf - 109 gal; SSI – 150 lbs

12:43 Frac Stage #26 Complete

Stage pumped as designed and all proppant placed.

13:15 Begin WL Stage #27

Pump down: 10 bpm at 7230 max psi using 150 bbls

Set Purple seal at 16531'. PUH and perforate as follows:

16516' - 16514' (8), 16476' - 16474' (8), 16436' - 16434' (8), 16396' - 16394' (8), and 16356' - 16354' (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 @ 0:00. Inspected, plug set and all shots fired, dropped ball

WL Stage #27 -- Misrun due to CCL not reading correctly. POOH and inspect tool assembly and rehead. NPT 1.25 hrs.

18:08 Begin Frac Stage #27

OWH: 4730 psi Break at 9000 psi at 15 bpm

Pump 2000 gals of 0.15% HCL - 11692 bbls (Clean) pumped

ISIP: 6250 psi FG: 0.96 psi/ft 5 min: N/A psi

MP: 11050 psi MR: 85 bpm AP: 10400 psi AR: 80 bpm MPC: 2 ppg

Tot 100: 104000 lbs. Tot 40/70: 304340 lbs

FR - 636 gal; SI - 174 gal; Bio - 261 gal; Surf - 151 gal; SSI – 150 lbs

21:54 Frac Stage #27 Complete

Shutdown during .75# 100 mesh due to leaking ground valve. Flushed well. Replaced valve and continued Frac.

22:10 Begin WL Stage #28

00:00 Perforating Stage #28 @ time of report

NPT - 2.25 hrs – (PerfX – 1.25 hrs - WL Misrun)(Pumpco – 1 hrs - Swap out valves)

Offset Wells:

Yesterday

Today

UNIVERSITY 20 4701

Tbg 2850 - Csg 3850 psi

Tbg 2860 psi - Csg 3810 psi

Page 1



UNIVERSITY 20 4702Tbg 3825 - Csg 3750 psiTbg 3750 psi - Csg 3675 psi

UNIVERSITY 38–20 2HTbg 4300 - Csg 3850 psiTbg 4325 psi - Csg 3850 psi

UNIVERSITY 35–20 1HTbg 1100 - Csg 525 psiTbg 1100 psi - Csg 525 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	Frac Stage # 24		
01:15	01:30	0.25	COMP	07	Handover	No	Swap to WL		
01:30	04:05	2.58	COMP	06	WL Ops Frac	No	Perforate Stage # 25		
04:05	04:20	0.25	COMP	07	Handover	No	RD WL & RU Frac		
04:20	07:00	2.67	COMP	03	Frac Ops Pumping	No	Frac Stage # 25		
07:00	07:15	0.25	COMP	07	Handover	No	RD Frac & RU WL		
07:15	09:50	2.58	COMP	06	WL Ops Frac	No	WL Stage # 26		
09:50	10:05	0.25	COMP	07	Handover	No	RD WL & RU Frac		
10:05	12:45	2.67	COMP	03	Frac Ops Pumping	No	Frac Stage # 26		
12:45	13:15	0.50	COMP	07	Handover	No	RD Frac & RU WL		
13:15	14:30	1.25	COMP	35- 060	Wireline	Yes	WL Stage # 27 -- Misrun due to CCL not reading correctly. POOH and inspect tool assembly and rehead. NPT 1, 75 hrs.		
14:30	16:50	2.33	COMP	06	WL Ops Frac	No	Continue WL Stage # 27		
16:50	17:05	0.25	COMP	07	Handover	No	RD WL & RU Frac		
17:05	18:05	1.00	COMP	35- 010	Frac - Frac Iron	Yes	Swap out Ground valve and check valve		
18:05	21:55	3.83	COMP	03	Frac Ops Pumping	No	Frac Stage # 27		
21:55	22:10	0.25	COMP	07	Handover	No	Swap to WL		
22:10	00:00	1.83	COMP	06	WL Ops Frac	No	Perforate Stage # 28		

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

Daily NPT Cost : 1500.00

Cum Rig Hours : 23506.67

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)

P2 Energy Solutions Alberta, ULC

5.6.2

September 01, 2018 08:07:45

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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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	16	Daily Cost :	\$363,292
Report Date :	8/31/2018	Cost To Date :	\$2,480,841
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,066,931

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	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 :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	17	Daily Cost :	\$280,616
Report Date :	9/1/2018	Cost To Date :	\$2,761,456
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,347,546

<b>Well Information</b>			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
<b>Elevations</b>		<b>Target Formations</b>	
GL :	2772.00	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 602H- Completions		
8/31/18 00:00 9/01/18 00:00 Pumpco		
HQDC4		
22:10 Begin WL Stage #28		
Pump down: 10 bpm at 7800 max psi using 185 bbls		
Set Purple seal at 16331'. PUH and perforate as follows:		
15068' - 15066' (8), 16276' - 16274' (8), 16236' - 16234' (8), 16196' - 16194' (8), and 16156' - 16154' (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 @ 0:55. Inspected, plug set and all shots fired, dropped ball		
Good Run		
01:10 Packing pumps. 0.33 hrs NPT		
1:30 Begin Frac Stage #28		
OWH: 5000 psi Break at 8720 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11303 bbls (Clean) pumped		
ISIP: 6250 psi FG: 0.95 psi/ft 5 min: N/A psi		
MP: 10700 psi MR: 84.4 bpm AP: 9873 psi AR: 81.1 bpm MPC: 2 ppg		
Tot 100: 110695 lbs. Tot 40/70: 300480 lbs		
FR - 595 gal; SI - 150 gal; Bio - 241 gal; Surf - 109 gal; SSI – 150 lbs		
4:27 Frac Stage #28 Complete		
Placed sand volume as per design		
4:45 Begin WL Stage #29		
Pump down: 10 bpm at 7330 max psi using 180 bbls		
Set Purple seal at 16131'. PUH and perforate as follows:		
16116' - 16114' (8), 16076' - 16074' (8), 16036' - 16034' (8), 15996' - 15994' (8), and 15956' - 15954' (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 @ 7:20. Inspected, plug set and all shots fired, dropped ball		
Good Run		
8:56 Begin Frac Stage #29		
OWH: 4960 psi Break at 8300 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11629 bbls (Clean) pumped		
ISIP: 5960 psi FG: 0.94 psi/ft 5 min: 0 psi		
MP: 11140 psi MR: 82 bpm AP: 9614 psi AR: 76.9 bpm MPC: 2 ppg		
Tot 100: 89840 lbs. Tot 40/70: 303900 lbs		
FR - 651 gal; SI - 127 gal; Bio - 224 gal; Surf - 66 gal; SSI - 150 lbs		
12:00 Frac Stage #29 Complete		
Replace block valve and low torque valves on the bleed off line - PU/PT. NPT - 1.33 hrs. 6,900 bbls into the treatment Pumpco briefly lost the CAS. Increased FR to 2.00 gpt and slowly walked the FR down to 1.50 gpt. All proppant placed.		
12:15 Begin WL Stage #30		
Pump down: 10 bpm at 7280 max psi using 151 bbls		
Set Purple seal at 15931'. PUH and perforate as follows:		
15916' - 15914' (8), 15876' - 15874' (8), 15836' - 15834' (8), 15796' - 15794' (8), and 15756' - 15754' (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 @ 15:00. Inspected, plug set and all shots fired, dropped ball		
Gun run successful. Verified plug set and all guns fired.		
15:13 Begin Frac Stage #30		
OWH: 5140 psi Break at 8690 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11197 bbls (Clean) pumped		
ISIP: 6250 psi FG: 1.03 psi/ft 5 min: N/A psi		
MP: 10100 psi MR: 80.6 bpm AP: 8493 psi AR: 75.3 bpm MPC: 2 ppg		
Tot 100: 105790 lbs. Tot 40/70: 285680 lbs		
FR - 688 gal; SI - 87 gal; Bio - 219 gal; Surf - 158 gal; SSI – 150 lbs		
18:33 Frac Stage #30 Complete		
Lateral washed out on pump at the beginning of 1.25# sand. Shutdown and isolate pump. Continue stage.		
18:50 Begin WL Stage #31		
20:15 Plug did not set, POOH		
22:55 RIH for WL Stage 31 2nd attempt		
00:00 Perforating Stage #31 @ time of report.		
NPT - 4.33 hrs – (Pumpco – 0.33hrs – pack pumps)(Pumpco 1.33 hrs – Replace valve)(PerfX – 2.67 hrs – Misrun)		
Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Tbg 2860 - Csg 3810 psi	Tbg 2900 psi - Csg 3810 psi
UNIVERSITY 20 4702	Tbg 3750 - Csg 3675 psi	Tbg 3700 psi - Csg 3600 psi
UNIVERSITY 38–20 2H	Tbg 4325 - Csg 3850 psi	Tbg 4325 psi - Csg 3900 psi
UNIVERSITY 35–20 1H	Tbg 1100 - Csg 525 psi	Tbg 1100 psi - Csg 550 psi
Current Activity :		
24 hr Frac Operations		
Next 24 hrs :		



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	00:55	0.92	COMP	06	WL Ops Frac	No	Perforate Stage # 28
00:55	01:10	0.25	COMP	07	Handover	No	Swap to Frac
01:10	01:30	0.33	COMP	35- 030	Frac - Pump Maintenance	Yes	Pack Pumps
01:30	04:30	3.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 28
04:30	04:45	0.25	COMP	07	Handover	No	Swap to WL
04:45	07:20	2.58	COMP	06	WL Ops Frac	No	Perforate Stage # 29
07:20	07:35	0.25	COMP	07	Handover	No	RD WL & RU Frac
07:35	08:55	1.33	COMP	35- 010	Frac - Frac Iron	Yes	Replace block valve and low torque valves on the bleed off line - PU/ PT. NPT - 1.33 hrs.
08:55	12:00	3.08	COMP	03	Frac Ops Pumping	No	Frac Stage # 29
12:00	12:15	0.25	COMP	07	Handover	No	RD Frac & RU WL
12:15	14:45	2.50	COMP	06	WL Ops Frac	No	WL Stage # 30
14:45	15:00	0.25	COMP	07	Handover	No	RD WL & RU Frac
15:00	18:35	3.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 30
18:35	18:50	0.25	COMP	07	Handover	No	RD Frac & RU WL
18:50	20:15	1.42	COMP	06	WL Ops Frac	No	Perforate Stage # 31
20:15	22:55	2.67	COMP	35- 060	Wireline	Yes	Plug did not set on 1st run. POOH and swap out gun string
22:55	00:00	1.08	COMP	06	WL Ops Frac	No	Perforate Stage # 31

Personnel Hours

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

Daily NPT Cost : 2886.67

Cum Rig Hours : 26393.34

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)



## 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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	17	Daily Cost :	\$280,616
Report Date :	9/1/2018	Cost To Date :	\$2,761,456
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,347,546

<b>Event Details</b>			
Event Objective : <input style="width: 90%;" type="text" value="Frac"/>			
Start : <input style="width: 150px;" type="text"/>	Finish : <input style="width: 150px;" type="text"/>	Workover # : <input style="width: 150px;" 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 602H

Property Number

43STRIPES602

Prospect :

Bottom Hole Targets

UWM

API / License #

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

4249533805

Financials

Daily Cost :

\$102,741

Cost To Date :

\$2,864,197

AFE # :

PB18100003

AFE :

\$10,772,650

AFE Cost to Date :

\$7,450,287

Report Information

Report # :

18

Report Date :

9/2/2018

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

9/01/18 00:00    9/02/18 00:00    Pumpco

HQDC4

18:50 Begin WL Stage #31

Pump down: 12 bpm at 7710 max psi using 323 bbls

Set Purple seal at 15734'. PUH and perforate as follows:

15716' - 15714' (8), 15676' - 15674' (8), 15636' - 15634' (8), 15596' - 15594' (8), and 15556' - 15554' (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 @ 0:20. Inspected, plug set and all shots fired, dropped ball

Plug did not set on 1st run. Charge was full of water. Sending to the shop for inspection. POOH and run new gun string. Good Run.

0:51 Begin Frac Stage #31

OWH: 4860 psi    Break at 9070 psi at 15 bpm

Pump 2000 gals of 15% HCL - 11595 bbls (Clean) pumped

ISIP: 6070 psi    FG: 0.96 psi/ft    5 min: 0 psi

MP: 10690 psi    MR: 80 bpm    AP: 9394 psi    AR: 75 bpm    MPC: 2 ppg

Tot 100: 106914 lbs.    Tot 40/70: 307860 lbs

FR - 608 gal; SI - 145 gal; Bio - 226 gal; Surf - 156 gal

13:46 Frac Stage #31 Complete

Chem Add unit went down on .5# 100 mesh. Flushed wellbore and shut down to make repairs. NPT - 2.67 hrs due to plug no setting on 1st attempt.

POOH and run new gun string. NPT - 0.25 hrs due to replacing line gaskets NPT - 9.83 hrs due to radiator failure on the Chem Add unit.    Lost 3 pumps during treatment.

14:05 Begin WL Stage #32

Pump down: 10 bpm at 7270 max psi using 155 bbls

Set Purple seal at 15531'. PUH and perforate as follows:

15516' - 15514' (8), 15476' - 15474' (8), 15436' - 15434' (8), 15396' - 15394' (8), and 15356' - 15354' (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 @ 16:30. Inspected, plug set and all shots fired, dropped ball

Gun run successful.    Verified plug set and all guns fired.

16:30 Wait on storms to pass thru.

00:00 Waiting on Storms @ time of report

NPT - 17.58 hrs. (0.25 hrs – Pumpco – Change ot line gaskets)(9.83 hrs – Pumpco – Replace Radiator on Chemadd unit)(7.50 hrs – Energen – Wait on lightning storms to pass thru)

Offset Wells:

Yesterday

Today

UNIVERSITY 20 4701

Tbg 2900 - Csg    3810 psi

Tbg 2900 psi - Csg    3800 psi

UNIVERSITY 20 4702

Tbg 3700 - Csg    3600 psi

Tbg 3700 psi - Csg    3550 psi

UNIVERSITY 38–20 2H

Tbg 4325 - Csg    3900 psi

Tbg 4300 psi - Csg    3850 psi

UNIVERSITY 35–20 1H

Tbg 1100 - Csg    550 psi

Tbg 1100 psi - Csg    500 psi

AFE# PB18100003

Daily Cost: \$102,741

Cost to Date: \$2,864,197

AFE: \$10,772,650

AFE Cost to Date: \$7,450,287

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	06	WL Ops Frac	No		Perforate Stage #31	
00:20	00:35	0.25	COMP	07	Handover	No		Swap to Frac	
00:35	00:50	0.25	COMP	35- 010	Frac - Frac Iron	Yes		Replace line gaskets	



00:50	01:50	1.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 31
01:50	11:40	9.83	COMP	35- 030	Frac - Pump Maintenance	Yes	NPT - 9. 83 hrs due to radiator failure on the chem add unit.
11:40	13:45	2.08	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 31
13:45	14:00	0.25	COMP	07	Handover	No	RD Frac & RU WL
14:00	16:30	2.50	COMP	06	WL Ops Frac	No	WL Stage # 32
16:30	00:00	7.50	COMP	35- 110	Weather	Yes	Wait on storms to pass thru

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



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 # :	18	Daily Cost :	\$102,741
Report Date :	9/2/2018	Cost To Date :	\$2,864,197
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,450,287

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		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	UM	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 :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	19	Daily Cost :	\$356,814
Report Date :	9/3/2018	Cost To Date :	\$3,221,011
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,807,101

**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 :

Daily Summary		
Summary (last 24 hrs) :		
UL 20 STRIPES 38-47 602H Completions		
9/01/18 00:00 9/02/18 00:00 Pumpco		
HQDC4		
0:16 Begin Frac Stage #32		
OWH: 4570 psi Break at 8600 psi at 15 bpm		
Pump 2000 gals 15% HCL - 11918 bbls (Clean) pumped		
ISIP: 6120 psi FG: 1.02 psi/ft 5 min: N/A psi		
MP: 10930 psi MR: 90 bpm AP: 8533 psi AR: 79 bpm MPC: 2 ppg		
Tot 100: 102111 lbs. Tot 40/70: 305090 lbs		
FR - 622 gal; SI - 106 gal; Bio - 230 gal; Surf - 68 gal		
2:52 Frac Stage #32 Complete		
Placed sand volume as per design		
02:55 Wait on Storm to pass thru		
5:15 Begin WL Stage #33		
Pump down: 10 bpm at 7080 max psi using 132 bbls		
Set Purple seal at 14063'. PUH and perforate as follows:		
15316' - 15314' (8), 15276' - 15274' (8), 15236' - 15234' (8), 15196' - 15194' (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 @ 8:00. Inspected, plug set and all shots fired, dropped ball		
Gun run successful. Verified plug set and all guns fired.		
8:15 Begin Frac Stage #33		
OWH: 4780 psi Break at 8560 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11183 bbls (Clean) pumped		
ISIP: 5670 psi FG: 0.92 psi/ft 5 min: 0 psi		
MP: 10940 psi MR: 89 bpm AP: 8874 psi AR: 85 bpm MPC: 2 ppg		
Tot 100: 105145 lbs. Tot 40/70: 298510 lbs		
FR - 602 gal; SI - 203 gal; Bio - 237 gal; Surf - 135 gal; SSI - 150 lbs		
11:25 Frac Stage #33 Complete		
Wait on lightning to pass. NPT - 2.08 hrs Lost prime on blender. NPT - 0.42 hrs. All proppant placed.		
11:40 Begin WL Stage #34		
Pump down: 10 bpm at 6720 max psi using 120 bbls		
Set Purple seal at 15131'. PUH and perforate as follows:		
15116' - 15114' (8), 13835' - 13833' (8), 15036' - 15034' (8), 14996' - 14994' (8), and 14957' - 14955' (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 @ 13:50. Inspected, plug set and all shots fired, dropped ball		
Gun run successful. Verified plug set and all guns fired. Moved gun cluster #5 to avoid collar.		
14:06 Begin Frac Stage #34		
OWH: 4770 psi Break at 8540 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 11136 bbls (Clean) pumped		
ISIP: 5850 psi FG: 0.93 psi/ft 5 min: N/A psi		
MP: 10730 psi MR: 90 bpm AP: 9448 psi AR: 86 bpm MPC: 2 ppg		
Tot 100: 102700 lbs. Tot 40/70: 300420 lbs		
FR - 521 gal; SI - 194 gal; Bio - 232 gal; Surf - 91 gal; SSI - 150 lbs		
16:45 Frac Stage #34 Complete		
17:00 Begin WL Stage #35		
Pump down: 10 bpm at 6220 max psi using 118 bbls		
Set Purple seal at 14931'. PUH and perforate as follows:		
14916' - 14914' (8), 14878' - 14876' (8), 14839' - 14837' (8), 14800' - 14798' (8), and 14752' - 14750' (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 @ 18:55. Inspected, plug set and all shots fired, dropped ball		
Moved 2nd, 3rd, 4th & 5th clusters to avoid collars		
20:25 Begin Frac Stage #35		
OWH: 4650 psi Break at 7820 psi at 15 bpm		
Pump 2000 gals of 15% HCL - 10856 bbls (Clean) pumped		
ISIP: 5810 psi FG: 0.99 psi/ft 5 min: N/A psi		
MP: 10310 psi MR: 91 bpm AP: 8881 psi AR: 83.8 bpm MPC: 2 ppg		
Tot 100: 101080 lbs. Tot 40/70: 305360 lbs		
FR - 563 gal; SI - 143 gal; Bio - 236 gal; Surf - 110 gal; SSI - 150 lbs		
22:57 Frac Stage #35 Complete		
Placed Sand volume as per Design		
23:15 Begin WL Stage #36		
Perforating Stage #36 @ time of report		
Total NPT - 4.25 hrs (Energen - 0.15hrs. Wait on weather.)(Energen - 2.		



UNIVERSITY 20 4701Tbg 2900 - Csg 3800 psiTbg 2900 psi - Csg 3775 psi

UNIVERSITY 20 4702Tbg 3700 - Csg 3550 psiTbg 3575 psi - Csg 3500 psi

UNIVERSITY 38–20 2HTbg 4300 - Csg 3850 psiTbg 4350 psi - Csg 4500 psi

UNIVERSITY 35–20 1HTbg 1100 - Csg 550 psiTbg 1100 psi - Csg 600 psi

AFE# PB18100003

Daily Cost: \$356,814

Cost to Date: \$3,221,011

AFE: \$10,772,650

AFE Cost to Date: \$7,807,101

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	35- 110	Weather	Yes	Wait on Weather					
00:15	02:55	2.67	COMP	03	Frac Ops Pumping	No	Frac Stage # 32					
02:55	05:00	2.08	COMP	35- 110	Weather	Yes	Wait on Lightning to pass. NPT - 1. 33 hrs					
05:00	05:15	0.25	COMP	07	Handover	No	RD Frac & RU WL					
05:15	08:00	2.75	COMP	06	WL Ops Frac	No	WL Stage # 33					
08:00	08:15	0.25	COMP	07	Handover	No	RD WL & RU Frac					
08:15	08:45	0.50	COMP	03	Frac Ops Pumping	No	Frac Stage # 33					
08:45	09:10	0.42	COMP	35- 020	Frac - Blender Side	Yes	Lost prime on the blender. NPT - 0. 42 hrs					
09:10	11:25	2.25	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 33					
11:25	11:40	0.25	COMP	01	MIRU/ RDMO	No	RD Frac & RU WL					
11:40	13:50	2.17	COMP	06	WL Ops Frac	No	WL Stage # 34					
13:50	14:05	0.25	COMP	07	Handover	No	RD WL & RU Frac					
14:05	16:45	2.67	COMP	03	Frac Ops Pumping	No	Frac Stage # 34					
16:45	17:00	0.25	COMP	07	Handover	No	RD Frac & RU WL					
17:00	18:55	1.92	COMP	06	WL Ops Frac	No	WL Stage # 35					
18:55	19:10	0.25	COMP	07	Handover	No	RD WL & RU Frac					
19:10	20:25	1.25	COMP	35- 030	Frac - Pump Maintenance	Yes	Swap out pump.					
20:25	23:00	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 35					
23:00	23:15	0.25	COMP	07	Handover	No	Swap to WL					
23:15	00:00	0.75	COMP	06	WL Ops Frac	No	Perforate Stage # 36					

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

Rig Information

Daily NPT Cost : 2500.00

Cum Rig Hours :40613.34

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)



## 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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	19	Daily Cost :	\$356,814
Report Date :	9/3/2018	Cost To Date :	\$3,221,011
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,807,101

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

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

\$281,969

Cost To Date :

\$3,860,598

AFE # :

PB18100003

AFE :

\$10,772,650

AFE Cost to Date :

\$8,446,688

Report Information

Report # :

21

Report Date :

9/5/2018

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  
9/03/18 00:00 9/04/18 00:00 Pumpco  
HQDC4  
  
23:25 Begin WL Stage #40  
Pump down: 10 bpm at 6490 max psi using 89 bbls  
Set Purple seal at 13927'. PUH and perforate as follows:  
13916' - 13914' (8), 13876' - 13874' (8), 13836' - 13834' (8), 13796' - 13794' (8), and 13756' - 13754' (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 @ 1:15. Inspected, plug set and all shots fired, dropped ball  
Moved plug to avoid collar  
2:07 Begin Frac Stage #40  
OWH: 4810 psi Break at 8680 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10928 bbls (Clean) pumped  
ISIP: 5750 psi FG: 0.98 psi/ft 5 min: n/a psi  
MP: 9950 psi MR: 95 bpm AP: 9436 psi AR: 88 bpm MPC: 2 ppg  
Tot 100: 102420 lbs. Tot 40/70: 303280 lbs  
FR - 619 gal; SI - 124 gal; Bio - 215 gal; Surf - 138 gal; SSI – 150 lbs  
4:39 Frac Stage #40 Complete  
Job pumped as designed and all proppant placed.  
4:55 Begin WL Stage #41  
Pump down: 8 bpm at 5900 max psi using 65 bbls  
Set Purple seal at 13731'. PUH and perforate as follows:  
13716' - 13714' (8), 13676' - 13674' (8), 13636' - 13634' (8), 13596' - 13594' (8), and 13556' - 13554' (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 @ 7:20. Inspected, plug set and all shots fired, dropped ball  
Gun run successful. Verified plug set and all guns fired.  
7:41 Begin Frac Stage #41  
OWH: 4720 psi Break at 8410 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 12754 bbls (Clean) pumped  
ISIP: 5670 psi FG: 0.92 psi/ft 5 min: 0 psi  
MP: 11500 psi MR: 92 bpm AP: 9540 psi AR: 89 bpm MPC: 2 ppg  
Tot 100: 101940 lbs. Tot 40/70: 304360 lbs  
FR - 610 gal; SI - 142 gal; Bio - 265 gal; Surf - 136 gal; SSI – 150 lbs  
13:13 Frac Stage #41 Complete  
NPT - 0.67 hrs due to block valve wash out. NPT - 2.08 hrs - screen out caused by sand left in WB due to block valve wash out. Open well @ 4,500 psi and flowed back a WBV and ball came to surface. Flowed well back for a total of 900 bbls. Re-pressure tested all surface equipment and begin flushing a full WB volume. Resume job and placed all proppant.  
13:30 Begin WL Stage #42  
Pump down: 8 bpm at 5730 max psi using 52 bbls  
Set Purple seal at 13531'. PUH and perforate as follows:  
13516' - 13514' (8), 13476' - 13474' (8), 13436' - 13434' (8), 13396' - 13394' (8), and 13356' - 13354' (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 @ 15:25. Inspected, plug set and all shots fired, dropped ball  
Gun run successful. Verified plug set and all guns fired.  
16:42 Begin Frac Stage #42  
OWH: 4670 psi Break at 8280 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10758 bbls (Clean) pumped  
ISIP: 5870 psi FG: 0.99 psi/ft 5 min: 0 psi  
MP: 10210 psi MR: 91 bpm AP: 9371 psi AR: 88.6 bpm MPC: 2 ppg  
Tot 100: 103220 lbs. Tot 40/70: 303850 lbs  
FR - 693 gal; SI - 130 gal; Bio - 236 gal; Surf - 137 gal; SSI – 150 lbs  
18:18 Frac Stage #42 Complete  
Placed sand volume as per design  
18:30 Begin WL Stage #43  
Pump down: 10 bpm at 6290 max psi using 64 bbls  
Set Purple seal at 12098'. PUH and perforate as follows:  
13316' - 13314' (8), 13276' - 13274' (8), 13236' - 13234' (8), 13196' - 13194' (8), and 13156' - 13154' (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 @ 20:10. Inspected, plug set and all shots fired, dropped ball  
Good Run  
20:25 Pumpco management required crew to change out all of the line gaskets  
22:03 Begin Frac Stage #43  
00:00 Pumping Stage #43 @ time of report  
  
Total NPT - 4.96 hrs  
(0.58 hrs – Pump Maintenance)(0.67 hrs due to block valve wash out.)( 2.08 hrs - screen out caused by sand left in WB due to block valve wash out. Open well @ 4,500 psi and flowed back a WBV and ball came to surface. Flowed well back for a total of 900 bbls. Re-pressure tested all surface equipment and begin flushing a full WB volume.)(1.63 hrs – Pumpco management required crew to change out all of the line gaskets)



Offset Wells:	Yesterday	Today
UNIVERSITY 20 4701	Tbg 2950 - Csg 3800 psi	Tbg 2950 psi - Csg 3750 psi
UNIVERSITY 20 4702	Tbg 3550 - Csg 3500 psi	Tbg 3500 psi - Csg 3500 psi
UNIVERSITY 38–20 2H	Tbg 4800 - Csg 4800 psi	Tbg 4800 psi - Csg 4600 psi
UNIVERSITY 35–20 1H	Tbg 1100 - Csg 650 psi	Tbg 1100 psi - Csg 675 psi

AFE# PB18100003

Daily Cost: \$281,969  
Cost to Date: \$3,860,598  
AFE: \$10,772,650  
AFE Cost to Date: \$8,446,688

Current Activity :  
24 hr Frac Operations

Next 24 hrs :  
24 hr Frac Operations

Time Breakdown

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

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	01:15	1.25	COMP	06	WL Ops Frac	No	Perforate Stage # 40
01:15	01:30	0.25	COMP	07	Handover	No	Swap to Frac
01:30	02:05	0.58	COMP	35- 030	Frac - Pump Maintenance	Yes	Pump Maintenance
02:05	04:40	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 40
04:40	04:55	0.25	COMP	07	Handover	No	RD Frac & RU WL
04:55	07:20	2.42	COMP	06	WL Ops Frac	No	WL Stage # 41
07:20	07:35	0.25	COMP	07	Handover	No	RD WL & RU Frac
07:35	09:45	2.17	COMP	03	Frac Ops Pumping	No	Frac Stage # 41
09:45	10:25	0.67	COMP	35- 010	Frac - Frac Iron	Yes	NPT - 0.67 hrs due to block valve wash out.
10:25	10:30	0.08	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 41
10:30	12:35	2.08	COMP	35- 010	Frac - Frac Iron	Yes	NPT - 2.08 hrs due to screen caused by sand left in WB due to block valve wash out.
12:35	13:15	0.67	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 41
13:15	13:30	0.25	COMP	07	Handover	No	RD Frac & RU WL
13:30	15:25	1.92	COMP	06	WL Ops Frac	No	WL Stage # 42
15:25	15:40	0.25	COMP	07	Handover	No	RD WL & RU Frac
15:40	18:15	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 42
18:15	18:30	0.25	COMP	07	Handover	No	RD Frac & RU WL
18:30	20:10	1.67	COMP	06	WL Ops Frac	No	WL Stage # 43
20:10	20:25	0.25	COMP	07	Handover	No	Swap to Frac
20:25	22:03	1.63	COMP	35- 010	Frac - Frac Iron	Yes	Pumpco management required crew to change out all of the line gaskets
22:03	00:00	1.95	COMP	03	Frac Ops Pumping	No	Frac Stage # 43

Personnel Hours

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

Daily NPT Cost : 3303.67Cum Rig Hours : 46177.01Rigs For Today : Pumpco #2KB Elevation : 2772.00 ftKB 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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	21	Daily Cost :	\$281,969
Report Date :	9/5/2018	Cost To Date :	\$3,860,598
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,446,688

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

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 : \$439,548

Cost To Date : \$4,300,146

AFE # : PB18100003

AFE : \$10,772,650

AFE Cost to Date : \$8,886,236

Report Information

Report # : 22

Report Date : 9/6/2018

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  
9/05/18 00:00 9/06/18 00:00 Pumpco  
HQDC4  
  
22:03 Begin Frac Stage #43  
OWH: 7410 psi Break at 7730 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10989 bbls (Clean) pumped  
ISIP: 5750 psi FG: 0.92 psi/ft 5 min: N/A psi  
MP: 10160 psi MR: 92 bpm AP: 9022 psi AR: 84.9 bpm MPC: 2.00 ppg  
Tot 100: 103800 lbs. Tot 40/70: 303970 lbs  
FR - 364 gal; SI - 109 gal; Bio - 247 gal; Surf - 56 gal: SSI – 150 lbs  
0:35 Frac Stage #43 Complete  
Placed sand volume as per design  
0:50 Begin WL Stage #44  
Pump down: 10 bpm at 5910 max psi using 60 bbls  
Set Purple seal at 13131'. PUH and perforate as follows:  
13116' - 13114' (8), 13076' - 13074' (8), 13036' - 13034' (8), 12996' - 12994' (8), and 12956' - 12954' (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 @ 2:35. Inspected, plug set and all shots fired, dropped ball  
Good Run  
4:05 Begin Frac Stage #44  
OWH: 4770 psi Break at 7810 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 12991 bbls (Clean) pumped  
ISIP: 5670 psi FG: 0.92 psi/ft 5 min: 0 psi  
MP: 9830 psi MR: 95 bpm AP: 8782 psi AR: 88 bpm MPC: 2 ppg  
Tot 100: 103255 lbs. Tot 40/70: 304760 lbs  
FR - 718 gal; SI - 106 gal; Bio - 271 gal; Surf - 135 gal  
7:23 Frac Stage #44 Complete  
NPT - 1.17 due to pump maintenance. NPT - 0.17 hrs - 4,000 bbls into the treatment water transfer lost a transfer pump. During 2.00 ppg 40/70 had a low torque valve wash out on pump #18. SD and isolate pump. SD again due to low torque failure. Placed 98% of proppant deisgn.  
7:45 Begin WL Stage #45  
Pump down: 8 bpm at 6420 max psi using 45 bbls  
Set Purple seal at 12931'. PUH and perforate as follows:  
12916' - 12914' (8), 12876' - 12874' (8), 12836' - 12834' (8), 12796' - 12794' (8), and 12756' - 12754' (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 @ 9:50. Inspected, plug set and all shots fired, dropped ball  
Gun run successful. Verified plug set and all guns fired. Moved all gun clusters to avoid collars.  
10:05 Begin Frac Stage #45  
OWH: 4830 psi Break at 7995 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 11297 bbls (Clean) pumped  
ISIP: 5680 psi FG: 0.92 psi/ft 5 min: 0 psi  
MP: 9950 psi MR: 95 bpm AP: 4830 psi AR: 89 bpm MPC: 2 ppg  
Tot 100: 105065 lbs. Tot 40/70: 306720 lbs  
FR - 596 gal; SI - 192 gal; Bio - 224 gal; Surf - 111 gal  
12:37 Frac Stage #45 Complete  
Job pumped per design and all proppant placed.  
12:55 Begin WL Stage #46  
Pump down: 8 bpm at 5880 max psi using 35 bbls  
Set Purple seal at 12731'. PUH and perforate as follows:  
12716' - 12714' (8), 12676' - 12674' (8), 12636' - 12634' (8), 12596' - 12594' (8), and 12556' - 12554' (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 @ 14:55. Inspected, plug set and all shots fired, dropped ball  
Gun run successful. Verified plug set and all guns fired. Moved gun cluster #1 to avoid collar.  
15:10 Begin Frac Stage #46  
OWH: 4740 psi Break at 8290 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 11053 bbls (Clean) pumped  
ISIP: 5680 psi FG: 0.91 psi/ft 5 min: 0 psi  
MP: 10080 psi MR: 93 bpm AP: 9183 psi AR: 89 bpm MPC: 2 ppg  
Tot 100: 103280 lbs. Tot 40/70: 305240 lbs  
FR - 597 gal; SI - 113 gal; Bio - 231 gal; Surf - 113 gal; SSI – 150 lbs  
17:40 Frac Stage #46 Complete  
Placed Sand volume as per design  
17:55 Begin WL Stage #47  
Pump down: 10 bpm at 6260 max psi using 62 bbls  
Set Purple seal at 11302'. PUH and perforate as follows:  
12516' - 12514' (8), 12476' - 12474' (8), 12436' - 12434' (8), 12396' - 12394' (8), and 12356' - 12354' (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 @ 19:15. Inspected, plug set and all shots fired, dropped ball  
Good Run



19:49 Begin Frac Stage #47  
OWH: 4910 psi Break at 8500 psi at 15 bpm  
Pump 2000 gals of 15% HCL - 10719bbls (Clean) pumped  
ISIP: 6240 psi FG: 0.97 psi/ft 5 min: n/a psi  
MP: 9530 psi MR: 93 bpm AP: 9105 psi AR: 90 bpm MPC: 2 ppg  
Tot 100: 106120 lbs. Tot 40/70: 304440 lbs  
FR - 529 gal; SI - 90 gal; Bio - 233 gal; Surf - 110 gal; SSI – 150 lbs  
22:33 Frac Stage #47 Complete  
Placed Sand Volume as per design  
22:33 Well Secure. RDMO

Total NPT - 1.59 hrs. (Pumpco – 1.17 hrs Pump Maintenance)(Terra – 0.17 hrs – Lost water transfer pump)(Pumpco – 0.25 hrs Pump Maintenance)

Offset Wells:

Yesterday

Today

UNIVERSITY 20 4701Tbg 2950 - Csg 3800 psiTbg 2950 psi - Csg 3760 psi

UNIVERSITY 20 4702Tbg 3550 - Csg 3500 psiTbg 3550 psi - Csg 3450 psi

UNIVERSITY 38–20 2HTbg 4800 - Csg 4800 psiTbg 4800 psi - Csg 4800 psi

UNIVERSITY 35–20 1HTbg 1100 - Csg 650 psiTbg 1110 psi - Csg 675 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	00:35	0.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 43					
00:35	00:50	0.25	COMP	07	Handover	No	Swap to WL					
00:50	02:40	1.83	COMP	06	WL Ops Frac	No	Perforate Stage # 44					
02:40	02:55	0.25	COMP	07	Handover	No	Swap to Frac					
02:55	04:05	1.17	COMP	35- 030	Frac - Pump Maintenance	Yes	NPT - 1. 17 hrs pump maintenance.					
04:05	05:15	1.17	COMP	03	Frac Ops Pumping	No	Frac Stage # 44					
05:15	05:25	0.17	COMP	35- 100	Water Transfer	No	NPT - 0. 17 hrs due to water transfer pump failure					
05:25	07:30	2.08	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 44					
07:30	07:45	0.25	COMP	07	Handover	No	RD Frac & RU WL					
07:45	09:50	2.08	COMP	06	WL Ops Frac	No	WL Stage # 45					
09:50	10:05	0.25	COMP	07	Handover	No	RD WL & RU Frac					
10:05	12:40	2.58	COMP	03	Frac Ops Pumping	No	Frac Stage # 45					
12:40	12:55	0.25	COMP	07	Handover	No	RD Frac & RU WL					
12:55	14:55	2.00	COMP	06	WL Ops Frac	No	WL Stage # 46					
14:55	15:10	0.25	COMP	07	Handover	No	RD WL & RU Frac					
15:10	17:40	2.50	COMP	03	Frac Ops Pumping	No	Frac Stage # 46					
17:40	17:55	0.25	COMP	07	Handover	No	RD Frac & RU WL					
17:55	19:15	1.33	COMP	06	WL Ops Frac	No	Perforate Stage # 47					
19:15	19:30	0.25	COMP	07	Handover	No	Swap to Frac					
19:30	19:45	0.25	COMP	35- 030	Frac - Pump Maintenance	No	Pump Maintenance					
19:45	22:33	2.80	COMP	03	Frac Ops Pumping	No	Frac Stage # 47					
22:33	00:00	1.45	COMP	01	MIRU/ RDMO	No	Secure Well. RDMO Pumpco, PerfX, Greenes and Covenant					

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

Rig Information

Daily NPT Cost : 1060.00

Cum Rig Hours : 47237.01

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



## 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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	22	Daily Cost :	\$439,548
Report Date :	9/6/2018	Cost To Date :	\$4,300,146
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,886,236

<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



<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 & 1254' FSWL 4249533805	
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	1	Daily Cost :	\$106,868
Report Date :	9/23/2018	Cost To Date :	\$106,868
		AFE # :	PB18100003
		AFE :	\$10,772,650
		AFE Cost to Date :	\$9,016,565

<b>Well Information</b>	
Design :	Horizontal
Well Type :	Oil
Sweet/Sour :	
Prospect :	

<b>Elevations</b>		<b>Target Formations</b>	
GL :	2772.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

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

<b>Daily Summary</b>
Summary (last 24 hrs) :
UL20 Stripes 38-47 602H– Completions
09/23/18 00:00 - CT Drillout Ops
Laptop PBDC40
Flow Back to NU on 7-1/16" 15M Flow Cross w/ 3" lines from flow cross to plug catcher & choke manifold to gas buster.
Run 2" from choke manifold to gas buster.
Run 2" 1502 panic line from opposite side of flow cross to T on 2" line off choke manifold.
07:00 MIRU Conquest 2-3/8" CTU and Support from Stripes 601H well.
07:30 Hold JSA / Safety Meeting with all parties on location
08:00 Start RU CTU and Support equipment
NU Double ram BOP 2-3/8" pipe and 2-3/8" safety rams to 7-1/16" 10M Flow Cross.
MU Lubricator and pull test coil connector to 35,000 ^ 45,000#
MU Baker Hughes 2 7/8" BHA and function tested tool string at 3.8 bpm @ 4300 psi.
12:25 NU Lubricator to BOP stack, Test lubricator and all lines to 8,500 psi, repair leaks
Baker Hughes BHA #1 as follows:
1. Weld on Coil tubing connector – 2.89" OD - 1.26" ID - 0.25' L
2. Dual Flapper – 2.88" OD - 1.03" ID – 1.94' L
3. Hydraulic disconnect – 2.88" OD – 0.69" ID – 2.13' L
4. HydraShock – 2.88"OD – 1.16'L
5. Screen Sub – 2.88" OD – 2.69' L
6. Hydropull – 2.88" OD – 2.69' L
7. Extreme Motor – 2.88" OD – 12.58' L
8. X-Over – 3.13" OD – 1.00' L
9. Varel Tri-Cone Bit – 3.625" OD - 0.42' L
Total Length- 24.86'L
13:30 Open Well / RIH, Pump rate @ 1.0 BPM, 5500 Circ. Psi, 4500 WHP, Return rate @ 1.0 BPM
15:30 Weight check @ 11,100' (24,000 lbs.) Raise Circ. Rate 3.8 BPM @ 7900 psi;
Return rate @ 4.0 BPM; WHP 4500 psi.
16:28 plug # 1 MIA @ 12,590', plug Set @ 12,531' Sent 5 BBL sweep; 3.8 BPM H2O, 4.2 BPM returns; 7700 psi circ.; 3400 psi WH
Light sand between plugs
16:49 plug # 2 MIA @ 12,931', plug Set @ 12,731' Sent 5 BBL sweep; 03.8 BPM H2O, 4.0 BPM returns; 7700 psi circ.; 3700 psi WH
Light sand between plugs
17:00 Handover notes
17:05 Tag plug # 3 @ 12,964', plug Set @ 12,931' Drilled on plug for 11 minutes, Sent 10 BBL sweep; 3.8 BPM H2O, 4.1 BPM returns; 8300 psi circ.; 3750 psi WH
Medium sand between plugs
17:30 Held JSA Safety meeting with all night personnel
18:20 Tag plug # 4 @ 13,132', plug Set @ 13,131' Drilled on plug for 12 minutes, Sent 5 BBL sweep; 3.8 BPM H2O, 4.1 BPM returns; 8000 psi circ.; 3750 psi WH
Medium sand between plugs
19:05 Tag plug # 5 @ 13,326', plug Set @ 13,331' Drilled on plug for 10 minutes, Sent 5 BBL sweep; 3.8 BPM H2O, 4.0 BPM returns; 7600 psi circ.; 3850 psi WH
Medium sand between plugs
19:43 Tag plug # 6 @ 13,528', plug Set @ 13,531' Drilled on plug for 10 minutes, Sent 20 BBL sweep; 3.8 BPM H2O, 4.3 BPM returns; 7600 psi circ.; 3850 psi WH
Medium sand between plugs
20:22 Tag plug # 7 @ 13,722', plug Set @ 13,731' Drilled on plug for 10 minutes, Sent 20 BBL sweep; 3.8 BPM H2O, 4.0 BPM returns; 7600 psi circ.; 3850 psi WH
Medium sand between plugs
21:14 Tag plug # 8 @ 13,935', plug Set @ 13,931' Drilled on plug for 10 minutes, Sent 5 BBL sweep; 3.8 BPM H2O, 3.8 BPM returns; 8000 psi circ.; 4000 psi WH
Medium sand between plugs
21:52 Tag plug # 9 @ 14,136', plug Set @ 14,131' Drilled on plug for 7 minutes, Sent 10 BBL sweep; 3.8 BPM H2O, 4.1 BPM returns; 8100 psi circ.; 3850 psi WH
Medium sand between plugs
22:28 Tag plug # 10 @ 14,368', plug Set @ 14,331' Drilled on plug for 3 minutes, Sent 5 BBL sweep; 3.8 BPM H2O, 4.1 BPM returns; 8200 psi circ.; 3800 psi WH
Medium sand between plugs
22:53 Tag plug # 11 @ 14,539', plug Set @ 14,531' Drilled on plug for 5 minutes, Sent 5 BBL sweep; 3.8 BPM H2O, 4.2 BPM returns; 8300 psi circ.; 3825 psi WH
Medium sand between plugs
23:31 Tag plug # 12 @ 14,795', plug Set @ 14,731' Drilled on plug for 4 minutes, Sent 20 BBL sweep; 3.8 BPM H2O, 4.4 BPM returns; 8300 psi circ.; 3800 psi WH
Medium sand between plugs
00:00 Washing down to plug #13 at report time.



Current Activity :  
DOFP

Next 24 hrs :  
DOFP

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	07:00	7.00	COMP	01	MIRU/ RDMO		No Activity, Waiting on CTU
07:00	12:25	5.42	COMP	01	MIRU/ RDMO	No	MIRU CTU & Related Equipment
12:25	13:30	1.08	COMP	01	MIRU/ RDMO	No	Test lubricator and all lines to 8, 500 psi
13:30	15:30	2.00	COMP	08	CTU Ops Drillout	No	Open Well / RIH
15:30	16:28	0.97	COMP	08	CTU Ops Drillout	No	Weight check @ 11, 100' ( 24, 000 lbs.)
16:28	17:00	0.53	COMP	08	CTU Ops Drillout	No	Drill Plugs # 1 thru # 3
17:00	17:30	0.50	COMP	08	CTU Ops Drillout	No	Handover notes
17:30	18:20	0.83	COMP	08	CTU Ops Drillout	No	Held PJSM w/ all night personnel
18:20	23:35	5.25	COMP	08	CTU Ops Drillout	No	Drill Plugs # 4 thru # 12
23:35	00:00	0.42	COMP	08	CTU Ops Drillout	No	Washing down to Plug # 13

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



<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 & 1254' FSWL	4249533805
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 602H		
Property Number	43STRIPES602		
Prospect :			
<b>Report Information</b>		<b>Financials</b>	
Report # :	1	Daily Cost :	\$106,868
Report Date :	9/23/2018	Cost To Date :	\$106,868
		A/E # :	PB18100003
		A/E :	\$10,772,650
		A/E Cost to Date :	\$9,016,565

<b>Event Details</b>			
Event Objective : <input type="text" value="Drill Out"/>			
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		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