

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 605H
Property Number	43STRIPES605
Prospect :	

Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809

Financials

Daily Cost :	\$18,597	Cost To Date :	\$18,597
AFE # :	PB18100006		
AFE :	\$10,772,650	AFE Cost to Date :	\$5,625,840

Report Information

Report # :	0	Report Date :	7/27/2018
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Well Information

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

GL :	2768.00	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 605H
07/26/18 00:00 - 07/27/18 00:00 – CBL
Laptop: PBDC55

9:00 Begin NU and Test AMD Master valves
12:00 MIRU Apollo WL, and WadeCo pump truck
16:55 NU AMD Master valves completed
17:00 RIH with GR-JB to 11,712', POOH.
18:15 LD GR-JB, PU CBL Tools
18:30 RIH with CBL to 11,980' and log to surface with 1000 psi on casing. ETOC 4034'
21:45 Test Intermediate Casing to 4000 psi for 5 minutes. Good Test
22:00 RDMO Apollo WL, WadeCo pump truck
23:00 Well Secure. WO WOR to finish installing 10K WH equipment on University wells before we open the toe.

Current Activity :

Well Secure

Next 24 hrs :

WO Toe Prep

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	09:00	9.00	COMP	04	No Activity	No	Well Secure
09:00	17:00	8.00	COMP	01	MIRU/ RDMO	No	NU and test AMD master valves, MIRU Apollo WL, WadeCo pump truck
17:00	18:15	1.25	COMP	05	Pre Frac Well Prep	No	RIH with GR-JB to 11, 712'
18:15	18:30	0.25	COMP	01	MIRU/ RDMO	No	LD GR- JB, PU CBL Tools
18:30	21:45	3.25	COMP	05	Pre Frac Well Prep	No	RIH with CBL to 11980' and log to surface with 1000 psi on the well
21:45	22:00	0.25	COMP	05	Pre Frac Well Prep	No	Test Intermediate casing to 4000 psi. Good Test
22:00	23:00	1.00	COMP	01	MIRU/ RDMO	No	RDMO Apollo WL, WadeCo pump truck
23:00	00:00	1.00	COMP	04	No Activity	No	Well Secure. WO Toe Prep

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 :	2768.00	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)

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	0	Daily Cost :	\$18,597
Report Date :	7/27/2018	Cost To Date :	\$18,597
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,625,840

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

AREA

Permian

COST POOL

DB EEX CP

BUDGET AREA

EEX-Block 20

Well Name

UL 20 STRIPES 38-47 605H

Property Number

43STRIPES605

Prospect :

Bottom Hole Targets

UWM

API / License #

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

4249533809

Financials

Daily Cost :

\$87,238

Cost To Date :

\$113,014

AFE # :

PB18100006

AFE :

\$10,772,650

AFE Cost to Date :

\$5,748,541

Report Information

Report # :

2

Report Date :

8/13/2018

Well Information

Design :

Horizontal

Well Type :

Oil

Sweet/Sour :

Prospect :

Elevations

GL :

2768.00

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 605H
08/13/18 00:00 - 08/14/18 00:00 – Frac Ops Alamo
Laptop: PBDC46

00:00 Continue MIRU Frac, WL, Ancillary Equipment and PT Frac to 11500 and Flowback to 8000. All pop-offs set.
18:50 Safety Meeting with all personnel on location. Discussed JSA.
18:57 Begin Injection Test Stage #1
Injection Test 40.5 bpm at 11002 max psi using 522 bbls
21526' - 21524', 21484' - 21482', 21442' - 21440', 21400' - 21398, and 21357' - 21355'
Injection Test pumped 2500 gal HCL (59 bbls). 10427 psi @ 40.5 at SD.
SD @ 19:33 Dropped 1st Packers Plus Dissolvable Ball - 3.313"
20:13 Begin Frac Stage #1
OWH: 5417 psi Break at 9290 psi at 10 bpm
Pump 7491 gals of 0.15% HCL - 8723 bbls (Clean) pumped
ISIP: 5487 psi FG: 0.9 psi/ft 5 min: N/A psi
MP: 11220 psi MR: 71.2 bpm AP: 10766 psi AR: 54.4 bpm MPC: 1.75 ppg
Tot 100: 50320 lbs. Tot 40/70: 204610 lbs
FR5 - 576 gal; SSI - 100 lbs; SI - 109 gal; Bio - 240 gal; Surf - 101 gal; FR18 - 576 gal
23:41 Frac Stage #1 Complete
Had difficult time getting blender auger to come on so extended pad while trying to increase rate. Had large sudden pressure drop and was able to slowly increase rate and move on with job. All proppant pumped.
12:00:00 AM Greenes grease crown and top valve. Drop packers plus dissolvable ball 3.438" at time of report

Total 24 NPT – 0:00 Hrs

Monitored Offset Wells: Yesterday Today
UNIV 20 4701 2094 psi 2203 psi Well Isolated
UNIV 20 4702 3901 psi 3417 psi Well Isolated
UNIV 35-20 1H NA Production shut in well
UNIV 35-20 2H 213 psi 135 psi
UNIV 38-20 1H 272 psi 352 psi
UNIV 38-20 2H 8 psi 8 psi Well Isolated

Wireline BHA Measurements: O.D." Length"
Fishing Neck 2" 10" (.83')
CCL 2.75" 19" (1'7")
Weight Bar 2.75" 84" (7')

AFE# PB18100006
Daily Cost: \$87,238
Cost to Date: \$113,014
AFE: \$10,772,650
AFE Cost to Date: \$5,748,541

Current Activity :

MIRU frac and associated equipment

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	18:57	18.95	COMP	01	MIRU/ RDMO	No	MIRU Frac, WL, Ancillary Equipment.		
18:57	19:33	0.60	COMP	03	Frac Ops Pumping	No	Injection Test pumped 2500 gal HCL (59 bbls), 463 bbl clean. Reached 10427 psi @ 40.5 bpm. 1st Packers		

							Plus Dissolvable Ball - 3.313"
19:33	20:13	0.67	COMP	07	Handover	No	Final check on all iron and dropped ball. Long handover.
20:13	23:41	3.47	COMP	03	Frac Ops Pumping	No	Frac Stage #1
23:41	00:00	0.32	COMP	07	Handover	No	Greenes grease crown and top valve. Drop packers plus dissolvable ball 3.438"

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	2	Daily Cost :	\$87,238
Report Date :	8/13/2018	Cost To Date :	\$113,014
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,748,541

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 605H

Property Number

43STRIPES605

Prospect :

Bottom Hole Targets

UWM

API / License #

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

4249533809

Financials

Daily Cost : \$244,680

Cost To Date : \$357,694

AFE # : PB18100006

AFE : \$10,772,650

AFE Cost to Date : \$5,993,222

Report Information

Report # : 3

Report Date : 8/14/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2768.00

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 604H
08/14/18 00:00 - 08/15/18 - 00:00 Frac Ops Alamo
Laptop: PBDC46

00:00 Greenes greased crown and top valve on wellhead. Drop packers plus dissolvable ball 3.438".
0:13 Begin Frac Stage #2
OWH: 4732 psi Break at 8395 psi at 10 bpm
Pump 2621 gals of % HCL - 9388 bbls (Clean) pumped
ISIP: 5582 psi FG: 0.91 psi/ft 5 min: N/A psi
MP: 11164 psi MR: 74.4 bpm AP: 10768.0 psi AR: 60.4 bpm MPC: 2 ppg
Tot 100: 106420 lbs. Tot 40/70: 294360 lbs
FR5 - 989 gal; SSI - 150 lbs; SI - 126 gal; Bio - 207 gal; Surf - 129 gal
4:01 Frac Stage #2 Complete
Lost HiFlow 5 during .75 ppg 100 Mesh. Cut proppant and lowered rate while swapping hoses on blender. Walked rate back up while restarting prop at .5 ppg. All proppant pumped per design
4:32 Packers Plus loaded final dissolvable ball size: 3.5"
4:41 Begin Frac Stage #3
OWH: 4800 psi Break at 7756 psi at 16 bpm
Pump 2434 gals of 2434% HCL - 11178 bbls (Clean) pumped
ISIP: 5364 psi FG: 0.89306864846358 psi/ft 5 min: N/A psi
MP: 11309 psi MR: 69.82 bpm AP: 10783.5928 psi AR: 56.7347 bpm MPC: 2 ppg
Tot 100: 105580 lbs. Tot 40/70: 294240 lbs
FR5 - 824 gal; SSI - 150 lbs; SI - 124 gal; Bio - 275 gal; Surf - 131 gal
8:32 Frac Stage #3 Complete
Good ball action. Observed 4 distinct pressure breaks. Cut sand momentarily due to operator error on blender (shut FR off). All prop placed.
12:41 Begin WL Stage #4
Pump down: 10 bpm at 7175 max psi using 337 bbls
Set Purple Seal PS-3 at 21000'. PUH and perforate as follows:
20980' - 20978' (8), 20940' - 20938' (8), 20900' - 20898' (8), 20860' - 20858' (8), and 20820' - 20818' (8)
2.75in OD gun, 16 gram TruJet CHGS, EHD=0.36, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 16:39. Inspected, plug set and all shots fired, dropped ball
No Changes made. Good run. NPT: 1.47 hrs, WL not prepped to go DH.
16:50 Begin Frac Stage #4
OWH: 4284 psi Break at 8365 psi at 16 bpm
Pump 2547 gals of 15% HCL - 10909 bbls (Clean) pumped
ISIP: 5265 psi FG: 0.884594797569118 psi/ft 5 min: N/A psi
MP: 11071 psi MR: 73.82 bpm AP: 10350.1738 psi AR: 69.655 bpm MPC: 2 ppg
Tot 100: 105880 lbs. Tot 40/70: 294620 lbs
FR5 - 543 gal; SSI - 150 lbs; SI - 163 gal; Bio - 195 gal; Surf - 176 gal
19:55 Frac Stage #4 Complete
Rate was limited to 73 bpm during the 40/70 stages due to pump issues. Extended the 1.75 ppg 40/70. Stage completed with a maximum concentration of 1.5 gpt FR, and 2.0 ppg 40/70. All propp displaced into formation.
20:10 - 20:45 R&R leaking chiksan from riser prior to WL Stage #5. NPT: 0.58 Hrs
POOH WL Stage #5 during report time.
Total NPT: 2.05 Hrs - 1.47 Hrs (Kodiak) not prepared to go DH. (Alamo) 0.58 Hrs change out leaking chiksan on riser prior to WL Stage 5
Monitored Offset Wells: Yesterday Today
UNIV 20 4701 2094 psi 2254 psi Well Isolated
UNIV 20 4702 3901 psi 3292 psi Well Isolated
UNIV 35-20 1H NA 1135
UNIV 35-20 2H 213 psi 239 psi
UNIV 38-20 1H 272 psi 240 psi
UNIV 38-20 2H 7 psi -7.7 psi Well Isolated

Wireline BHA Measurements: O.D." Length"
Fishing Neck 2" 10" (.83')
CCL 2.75" 19" (1'7")
Weight Bar 2.75" 84" (7')
Release Tool 2.78" 2.54"

Current Activity :

Frac Ops

Next 24 hrs :

Frac Ops

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	00:13	0.22	COMP	07	Handover	No	Continued from previous day.
00:13	04:01	3.80	COMP	03	Frac Ops Pumping	No	Frac Stage # 2
04:01	04:41	0.67	COMP	07	Handover	No	Greene' s greasing bottom WH valve. Packers plus dropping dissolvable ball 3. 563"
04:41	08:32	3.85	COMP	03	Frac Ops Pumping	No	Frac Stage # 3
08:32	10:00	1.47	COMP	35- 060	Wireline	Yes	WL not prepped to go DH
10:00	12:41	2.68	COMP	06	WL Ops Frac	No	WH is at slight angle, stabbing WL lubricator is difficult. Additional time allowed.
12:41	16:39	3.97	COMP	06	WL Ops Frac	No	WL Stage # 4
16:39	16:50	0.18	COMP	07	Handover	No	RD WL RU Frac
16:50	19:55	3.08	COMP	03	Frac Ops Pumping	No	Frac Stage # 4
19:55	20:10	0.25	COMP	07	Handover	No	RD Frac RU WL
20:10	20:45	0.58	COMP	35- 010	Frac - Frac Iron	Yes	R& R leaking chiksan from riser prior to WL Stage
20:45	00:00	3.25	COMP	06	WL Ops Frac	No	WL Stage # 5

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

Rig Information

Daily NPT Cost : 0.00

Cum Rig Hours : 0.00

Rigs For Today :

KB Elevation : 2768.00 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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	3	Daily Cost :	\$244,680
Report Date :	8/14/2018	Cost To Date :	\$357,694
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$5,993,222

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	UWM	API / License #
COST POOL	DB EEX CP	Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	4	Daily Cost :	\$187,599
Report Date :	8/15/2018	Cost To Date :	\$545,294
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,180,821

Well Information			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
Elevations		Target Formations	
GL :	2768.00	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 605H 08/15/18 - 08/16/18 - Frac Ops Alamo Laptop: PBDC46
Hold JSA / Safety meeting with all parties on location 00:00 Continue WL Stage #5 Pump down: 10 bpm at 6700 max psi using 322 bbls Set Purple Seal PS-3 at 20799'. PUH and perforate as follows: 20619' - 20617' (8), 20659' - 20657' (8), 20699' - 20697' (8), 20739' - 20737' (8), and 20779' - 20777' (8) 2.75in OD gun, 16 gram TruJet CHGS, EHD=0.36, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 0:15. Inspected, plug set and all shots fired, dropped ball 1st shot not fired due to broken wire in switch. Spoke with Energen engineer, the decision was made to proceed. Second thru fifth shots fired. NPT (prior to stage) 0.58 hours due to leaking chiksan on riser. 0:23 Begin Frac Stage #5 OWH: 4284 psi Break at 7008 psi at 16 bpm Pump 2522 gals of 15% HCL - 11413 bbls (Clean) pumped ISIP: 5374 psi FG: 0.89 psi/ft 5 min: N/A psi MP: 10893 psi MR: 74.94 bpm AP: 10374.8 psi AR: 66.5 bpm MPC: 2 ppg Tot 100: 104920 lbs. Tot 40/70: 294080 lbs FR5 - 350 gal; SSI - 150 lbs; SI - 159 gal; Bio - 238 gal; Surf - 133 gal; FR18 - 146 gal 4:35 Frac Stage #5 Complete SD during the initial slickwater pad due to leaking chiksan on WH riser - NPT: (0.75 Hrs) Alamo. All proppant pumped to design no further issues. 4:45 Begin WL Stage #6 Pump down: 10 bpm at 6300 max psi using 339 bbls Set Purple Seal PS-3 at 20598'. PUH and perforate as follows: 20578' - 20576' (8), 20538' - 20536' (8), 20498' - 20496' (8), 20458' - 20456' (8), and 20418' - 20416' (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 @ 8:15. Inspected, plug set and all shots fired, dropped ball Good run, no adjustments. 08:15 Hold JSA / Safety meeting with all parties on location 9:14 Begin Frac Stage #6 OWH: 5320 psi Break at 8623 psi at 15 bpm Pump 2434 gals of 15% HCL - 12364 bbls (Clean) pumped ISIP: 5444 psi FG: 0.9 psi/ft 5 min: N/A psi MP: 11327 psi MR: 75.55 bpm AP: 10576.8 psi AR: 70.3 bpm MPC: 2 ppg Tot 100: 106580 lbs. Tot 40/70: 295000 lbs FR5 - 253 gal; SSI - 150 lbs; SI - 170 gal; Bio - 265 gal; Surf - 156 gal; FR18 - 66 gal 12:45 Frac Stage #6 Complete Safety Meeting / JSA prior to stage. NPT - (0.23 hrs) Alamo excessive PU/PT swap chiksan. Just after going to 1# 100 mesh FR18 LA pump quit swapped to FR5 at .5 gpt, and ran a sweep while pressure began to climb. After pressure lined out and fell rate was increased and proppant brought back on at .5# and worked up to 1# 100 mesh to continue the sand stage. During 1.25# 40/70 lost pump control as screws were cut all pumps dropped offline for less than 1 min before getting rate going again. Pumps are being run from each pumps control box to get a sweep completed. When main pump control was restored the sweep was completed, rate increased and proppant re-started at .5# and ramped up to get back on schedule at 1.5# to continue stage. 13:40 Begin WL Stage #7 Pump down: 10 bpm at 6350 max psi using 315 bbls Set Purple Seal PS-3 at 20397'. PUH and perforate as follows: 20377' - 20375' (8), 20337' - 20335' (8), 20297' - 20295' (8), 20257' - 20255' (8), and 20217' - 20215' (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 NPT - (0.67 hrs) Kodiak excessive time stabbing on WH & leaking lubricator on PT had to replace O-ring. Good run, no adjustments. 16:42 Begin Frac Stage #7 OWH: 4533 psi Break at 9084 psi at 15 bpm Pump 2434 gals of 15% HCL - 10639 bbls (Clean) pumped ISIP: 5318 psi FG: 0.89 psi/ft 5 min: N/A psi MP: 10979 psi MR: 74.86 bpm AP: 10623.7734 psi AR: 66.1401 bpm MPC: 2 ppg Tot 100: 105540 lbs. Tot 40/70: 294360 lbs FR5 - 308 gal; SSI - 150 lbs; SI - 136 gal; Bio - 247 gal; Surf - 156 gal; FR18 - 189 gal 19:50 Frac Stage #7 Complete Stage pumped to design. 20:03 Begin WL Stage #8 Pump down: 10 bpm at 6460 max psi using 318 bbls Set Purple Seal PS-3 at 20196'. PUH and perforate as follows: 20176' - 20174' (8), 20136' - 20134' (8), 20096' - 20094' (8), 20056' - 20054' (8), and 20016' - 20014' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 22:43. Inspected, plug set and all shots fired, dropped ball No changes made. Good run. 00:00 Frac Stage #8 during report time which began @ 22:50.

Total NPT: 1.67 Hrs - (Alamo) 0.75 Hrs, SD repair leak on WH riser. 0.23 Hrs, excessive PU/PT swap chiksan. (Kodiak) 0.67 Hrs, excessive time stabbing on WH & Leaking Lubricator on PT had to replace O-ring.

Offset Wells:	Yesterday	Today
UNIV 20 4701	2254 psi	2293 psi Well Isolated
UNIV 20 4702	3292 psi	3223 psi Well Isolated
UNIV 35-20 1H	1135	249
UNIV 35-20 2H	239 psi	210 psi
UNIV 38-20 1H	272 psi	240 psi
UNIV 38-20 2H	7 psi	8 psi Well Isolated
WL BHA Measurements:		
Fishing Neck	2"	10" (.83')
CCL	2.75"	19" (1'7")
Weight Bar	2.75"	84" (7')
Release Tool	2.78"	2.54

Current Activity :
Frac Operations

Next 24 hrs :
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	06	WL Ops Frac	No			Continue & Complete WL Stage # 5
00:15	00:23	0.13	COMP	07	Handover	No			RD WL RU Frac
00:23	00:54	0.52	COMP	03	Frac Ops Pumping	No			Frac Stage # 5
00:54	01:39	0.75	COMP	35- 010	Frac - Frac Iron	Yes			Alamo SD repair leak on WH riser.
01:39	04:35	2.93	COMP	03	Frac Ops Pumping	No			Continue and complete Frac Stage # 5
04:35	04:45	0.17	COMP	07	Handover	No			RD Frac RU WL
04:45	08:15	3.50	COMP	06	WL Ops Frac	No			WL Stage # 6
08:15	08:45	0.50	COMP	04	No Activity	No			Safety Meeting / JSA
08:45	09:00	0.25	COMP	03	Frac Ops Pumping	No			PT for Stage # 6
09:00	09:14	0.23	COMP	35- 010	Frac - Frac Iron	Yes			Alamo excessive PU/ PT swap chiksan
09:14	12:45	3.52	COMP	03	Frac Ops Pumping	No			Frac Stage # 6
12:45	13:00	0.25	COMP	07	Handover	No			RD Frac RU WL
13:00	13:40	0.67	COMP	35- 060	Wireline	Yes			Kodiak excessive time stabbing on WH & Leaking Lubricator on PT had to replace O- ring.
13:40	16:30	2.83	COMP	06	WL Ops Frac	No			WL Stage # 7
16:30	16:42	0.20	COMP	07	Handover	No			RD WL RU Frac
16:42	19:50	3.13	COMP	03	Frac Ops Pumping	No			Frac Stage # 7
19:50	20:03	0.22	COMP	07	Handover	No			RD Frac RU WL
20:03	22:43	2.67	COMP	06	WL Ops Frac	No			WL Stage # 8
22:43	22:50	0.12	COMP	07	Handover	No			RD WL RU Frac
22:50	00:00	1.17	COMP	03	Frac Ops Pumping	No			Frac Stage # 8

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 :	1175.06	
Rigs For Today :	Alamo	
KB Elevation :	2768.00	ft
KB To GL :	0.00	ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	Yes
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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	4	Daily Cost :	\$187,599
Report Date :	8/15/2018	Cost To Date :	\$545,294
		A/E # :	PB18100006
		A/E :	\$10,772,650
		A/E Cost to Date :	\$6,180,821

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 605H

Property Number

43STRIPES605

Prospect :

Bottom Hole Targets

UWM

API / License #

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

4249533809

Financials

Daily Cost : \$239,403

Cost To Date : \$841,397

AFE # : PB18100006

AFE : \$10,772,650

AFE Cost to Date : \$6,476,924

Report Information

Report # : 5

Report Date : 8/16/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2768.00

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 605H
08/16/18 - 08/17/18 - Frac Ops Alamo
Laptop: PBDC46

Hold JSA / Safety meeting with all parties on location
22:50 Begin Frac Stage #8
OWH: 4609 psi Break at 8623 psi at 15.1 bpm
Pump 2247 gals of 15% HCL - 11790 bbls (Clean) pumped
ISIP: 5403 psi FG: 0.89 psi/ft 5 min: N/A psi
MP: 10998 psi MR: 75.2 bpm AP: 10466 psi AR: 64 bpm MPC: 2 ppg
Tot 100: 105520 lbs. Tot 40/70: 293920 lbs
FR5 - 342 gal; SSI - 150 lbs; SI - 139 gal; Bio - 203 gal; Surf - 134 gal; FR18 - 151 gal
3:08 Frac Stage #8 Complete
SD during the 0.75 ppg 40/70 due to leak in flowcross valve on WHIT. OWH, pump full casing volume and continue stage on 0.5 ppg 40/70. All sand displaced into formation. NPT: 0.60 Hrs
3:22 Begin WL Stage #9
Pump down: 9 bpm at 6936 max psi using 307 bbls
Set Purple Seal PS-3 at 19998'. PUH and perforate as follows:
19975' - 19973' (8), 19935' - 19933' (8), 19895' - 19893' (8), 19855' - 19853' (8), and 19815' - 19813' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 6:12. Inspected, plug set and all shots fired, dropped ball
Good run, plug moved down 3' to avoid collar.
6:27 Begin Frac Stage #9
OWH: 4674 psi Break at 8979 psi at 15 bpm
Pump 2547 gals of 15% HCL - 11022 bbls (Clean) pumped
ISIP: 5361 psi FG: 0.89 psi/ft 5 min: N/A psi
MP: 11295 psi MR: 77.6 bpm AP: 10635.5 psi AR: 67.4 bpm MPC: 2 ppg
Tot 100: 105740 lbs. Tot 40/70: 294060 lbs
FR5 - 176 gal; SSI - 150 lbs; SI - 101 gal; Bio - 180 gal; Surf - 134 gal; FR18 - 114 gal
9:41 Frac Stage #9 Complete
Good stage all proppant pumped to design.
9:55 Begin WL Stage #10
Pump down: 10 bpm at 6356 max psi using 298 bbls
Set Purple Seal PS-3 at 19789'. PUH and perforate as follows:
19771' - 19769' (8), 19734' - 19732' (8), 19694' - 19692' (8), 19654' - 19652' (8), and 19614' - 19612' (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 @ 13:23. Inspected, plug set and all shots fired, dropped ball
NPT - (.58 hrs) Kodiak Lubricator O-Ring leak. While RIH to 3500' the lubricator O-ring blew the seal. Had to POOH then pull off WH to replace the O-ring, PT then RIH again. Good run plug moved up 5' & shot 1 moved up 3' to avoid collars.
13:32 Begin Frac Stage #10
OWH: 4643 psi Break at 10568 psi at 15 bpm
Pump 2547 gals of 15% HCL - 10779 bbls (Clean) pumped
ISIP: 5272 psi FG: 0.88 psi/ft 5 min: N/A psi
MP: 11425 psi MR: 71.04 bpm AP: 10687.8623 psi AR: 61.4832 bpm MPC: 2 ppg
Tot 100: 105860 lbs. Tot 40/70: 293340 lbs
FR5 - 143 gal; SSI - 150 lbs; SI - 164 gal; Bio - 202 gal; Surf - 156 gal; FR18 - 64 gal
16:56 Frac Stage #10 Complete
Stage pumped to design.
17:15 Begin WL Stage #11
Pump down: 10 bpm at 10 max psi using 291 bbls
Set Purple Seal PS-3 at 19593'. PUH and perforate as follows:
19573' - 19571' (8), 19533' - 19531' (8), 19493' - 19491' (8), 19453' - 19451' (8), and 19413' - 19411' (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 @ 19:55. Inspected, plug set and all shots fired, dropped ball
No changes made. Good run.
20:10 SD pumps due to nearby lightning. NPT: 0.58 Hrs
20:45 Alamo R&R D-rings after PT. NPT: 0.52 Hrs
21:16 Begin Frac Stage #11
00:00 Frac Stage #11 during report time.
Total NPT: 2.28 Hrs (Alamo) 0.58 Hrs, Pumps SD due to nearby lightning. Restart. (Alamo) 0.52 Hrs, R&R D-rings after PT. (Kodiak) 0.58 Hrs, replace leaking o-ring. (Greene's) 0.60 Hrs, SD / replace leaking Flowcross valve on WHIT

Offset Wells: Yesterday Today
UNIV 20 4701 2293 psi 2326 psi Well Isolated
UNIV 20 4702 3223 psi 3173 psi Well Isolated
UNIV 35-20 1H 249 psi 273 psi
UNIV 35-20 2H 210 psi 205 psi
UNIV 38-20 1H 240 psi 221 psi
UNIV 38-20 2H 8 psi 9 psi Well Isolated

Current Activity :

Frac Operations

Next 24 hrs :

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	00:57	0.95	COMP	03	Frac Ops Pumping	No	Continue Frac Stage # 8
00:57	01:33	0.60	COMP	35- 080	Wellhead Failure	Yes	Greenes SD / replace leaking Flowcross valve on WHIT
01:33	03:08	1.58	COMP	03	Frac Ops Pumping	No	Continue & complete Frac Stage # 8
03:08	03:22	0.23	COMP	07	Handover	No	RD Frac RU WL
03:22	06:12	2.83	COMP	06	WL Ops Frac	No	WL Stage # 9
06:12	06:27	0.25	COMP	07	Handover	No	RD WL RU Frac
06:27	09:41	3.23	COMP	06	WL Ops Frac	No	Frac Stage # 9
09:41	09:55	0.23	COMP	07	Handover	No	RD Frac RU WL
09:55	10:30	0.58	COMP	06	WL Ops Frac	No	WL Stage # 10
10:30	11:05	0.58	COMP	35- 060	Wireline	Yes	Kodiak. replace leaking o- ring.
11:05	13:23	2.30	COMP	06	WL Ops Frac	No	(Continue) WL Stage # 10
13:23	13:32	0.15	COMP	07	Handover	No	RD WL RU Frac
13:32	17:00	3.47	COMP	03	Frac Ops Pumping	No	Frac Stage # 10
17:00	17:15	0.25	COMP	07	Handover	No	RD Frac RU WL
17:15	19:55	2.67	COMP	06	WL Ops Frac	No	WL Stage # 11
19:55	20:10	0.25	COMP	07	Handover	No	RD WL RU Frac
20:10	20:45	0.58	COMP	35- 110	Weather	Yes	Pumps SD due to nearby lightning. Restart.
20:45	21:16	0.52	COMP	35- 030	Frac - Pump Maintenance	Yes	Alamo R& R D- rings after PT.
21:16	00:00	2.73	COMP	03	Frac Ops Pumping	No	Frac Stage # 11

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

Daily NPT Cost : 1306.89

Cum Rig Hours : 3427.73

Rigs For Today : Alamo

KB Elevation : 2768.00 ft

KB To GL : 0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day : Yes

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	5	Daily Cost :	\$239,403
Report Date :	8/16/2018	Cost To Date :	\$841,397
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$6,476,924

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		Bottom Hole Targets					
AREA	Permian	<table><tr><td>UWM</td><td>API / License #</td></tr><tr><td>Sec 47, Blk 20, 200' FSEL & 1254' FNEL</td><td>4249533809</td></tr></table>		UWM	API / License #	Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809
UWM	API / License #						
Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809						
COST POOL	DB EEX CP						
BUDGET AREA	EEX-Block 20						
Well Name	UL 20 STRIPES 38-47 605H						
Property Number	43STRIPES605						
Prospect :							
Report Information		Financials					
Report # :	6	Daily Cost :	\$13,368				
Report Date :	8/17/2018	Cost To Date :	\$854,765				
		AFE # :	PB18100006				
		AFE :	\$10,772,650				
		AFE Cost to Date :	\$6,504,279				
Well Information							
Design :	Horizontal	Well Type :	Oil				
		Sweet/Sour :					
		Prospect :					
Elevations		Target Formations					
GL :	2768.00	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 605H							
08/17/18 - 08/18/18 - Frac Ops Alamo							
Laptop: PBDC46							
Hold JSA / Safety meeting with all parties on location							
21:16 Begin Frac Stage #11							
OWH: 4417 psi Break at 8473 psi at 14.8 bpm							
Pump 2472 gals of 15% HCL - 10796 bbls (Clean) pumped							
ISIP: 5074 psi FG: 0.87 psi/ft 5 min: N/A psi							
MP: 11377 psi MR: 82.16 bpm AP: 10487 psi AR: 68.634 bpm MPC: 2 ppg							
Tot 100: 107740 lbs. Tot 40/70: 293480 lbs							
FR5 - 257 gal; SSI - 150 lbs; SI - 126 gal; Bio - 201 gal; Surf - 133 gal; FR18 - 186 gal							
0:23 Frac Stage #11 Complete							
Stage pumped to design. Prior to Stage: (NPT: 0.58 Hrs) SD pumps due to nearby lightning. Restart. (NPT: 0.52 Hrs) Remove & Replace D-rings after PT.							
0:35 Begin WL Stage #12							
Pump down: 9 bpm at 6278 max psi using 279 bbls							
Set Purple Seal PS-3 at 19392'. PUH and perforate as follows:							
19372' - 19370' (8), 19332' - 19330' (8), 19292' - 19290' (8), 19252' - 19250' (8), and 19212' - 19210' (8)							
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.							
POOH. RD WL @ 5:37. Inspected, plug set and all shots fired, dropped ball							
POOH due to loss of communication past release tool. Kodiak NPT: 2.37 Hrs. Good run no adjustments.							
5:37 Begin Frac Stage #12							
OWH: 4382 psi Break at 8809 psi at 16 bpm							
Pump 2433 gals of 15% HCL - 11111 bbls (Clean) pumped							
ISIP: 5532 psi FG: 0.91 psi/ft 5 min: N/A psi							
MP: 11033 psi MR: 74.94 bpm AP: 10458.7 psi AR: 65.1 bpm MPC: 2 ppg							
Tot 100: 106520 lbs. Tot 40/70: 294920 lbs							
FR5 - 312 gal; SSI - 150 lbs; SI - 128 gal; Bio - 221 gal; Surf - 45 gal; FR18 - 159 gal							
9:08 Frac Stage #12 Complete							
Good stage all proppant pumped.							
9:20 Begin WL Stage #13							
Pump down: 10 bpm at 6160 max psi using 279 bbls							
Set Purple Seal PS-3 at 19191'. PUH and perforate as follows:							
19173' - 19171' (8), 19133' - 19131' (8), 19093' - 19091' (8), 19049' - 19047' (8), and 19010' - 19008' (8)							
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.							
POOH. RD WL @ 11:47. Inspected, plug set and all shots fired, dropped ball							
Good run. Shots 1, 2 & 3 moved down 2', Shot 4 moved up 2' & shot 5 moved up 1' to avoid collars.							
11:59 Begin Frac Stage #13							
OWH: 4671 psi Break at 10522 psi at 15 bpm							
Pump 2434 gals of 15% HCL - 10865 bbls (Clean) pumped							
ISIP: 5601 psi FG: 0.91 psi/ft 5 min: N/A psi							
MP: 11318 psi MR: 77.64 bpm AP: 10531.2061 psi AR: 63.4425 bpm MPC: 2 ppg							
Tot 100: 105120 lbs. Tot 40/70: 295880 lbs							
FR5 - 291 gal; SSI - 150 lbs; SI - 129 gal; Bio - 217 gal; Surf - 221 gal; FR18 - 110 gal							
15:16 Frac Stage #13 Complete							
Good stage all proppant pumped to design.							
15:25 Begin WL Stage #14							
Pump down: 10 bpm at 6690 max psi using 264 bbls							
Set Purple Seal PS-3 at 18990'. PUH and perforate as follows:							
18970' - 18968' (8), 18930' - 18928' (8), 18890' - 18888' (8), 18850' - 18848' (8), and 18810' - 18808' (8)							
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.							
POOH. RD WL @ 17:47. Inspected, plug set and all shots fired, dropped ball							
No changes made. Good run.							
18:00 Begin Frac Stage #14							
OWH: 4697 psi Break at 8237 psi at 15 bpm							
Pump 2534 gals of 15% HCL - 11797 bbls (Clean) pumped							
ISIP: 5449 psi FG: 0.9 psi/ft 5 min: N/A psi							
MP: 11106 psi MR: 80.5 bpm AP: 10550 psi AR: 68 bpm MPC: 2 ppg							
Tot 100: 106220 lbs. Tot 40/70: 294000 lbs							
FR5 - 280 gal; SSI - 150 lbs; SI - 151 gal; Bio - 235 gal; Surf - 175 gal; FR18 - 169 gal							
22:05 Frac Stage #14 Complete							
Proppant was cut with a full WBV flush during the 0.5 ppg 100 Mesh due to issues with the Data Van generator. Continue stage on a 0.25 ppg 100 mesh, and complete with all sand displaced into formation. NPT: 0.25 Hrs.							
22:20 Begin WL Stage #15							
00:00 POOH WL Stage #15 during report time.							
Total NPT: 2.62 Hrs (Kodiak) POOH due to loss of communication past release tool. 2.37 Hrs. (Alamo) 0.25 Hrs, SD with wbv flush due to issues with Data Van generator.							

Offset Wells:	Yesterday	Today
UNIV 20 4701	2293 psi	2326 psi Well Isolated
UNIV 20 4702	3223 psi	3173 psi Well Isolated
UNIV 35-20 1H	249 psi	273 psi
UNIV 35-20 2H	210 psi	205 psi
UNIV 38-20 1H	240 psi	221 psi
UNIV 38-20 2H	8 psi	9 psi Well Isolated
WL BHA Measurements:		
Fishing Neck	2"	10" (.83')
CCL	2.75"	19" (1'7")
Weight Bar	2.75"	84" (7')
Release Tool	2.78"	2.54

Current Activity :

Frac Operations

Next 24 hrs :

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	00:23	0.38	COMP	03	Frac Ops Pumping	No	Continue & completed Frac Stage # 11.					
00:23	00:35	0.20	COMP	07	Handover	No	RD Frac RU WL					
00:35	01:23	0.80	COMP	06	WL Ops Frac	No	WL Stage # 12					
01:23	03:45	2.37	COMP	35- 060	Wireline	Yes	Kodiak POOH due to loss of communication past release tool.					
03:45	05:37	1.87	COMP	06	WL Ops Frac	No	Continue & complete WL Stage # 12					
05:37	05:49	0.20	COMP	07	Handover	No	RD WL RU Frac					
05:49	09:08	3.32	COMP	03	Frac Ops Pumping	No	Frac Stage # 12					
09:08	09:20	0.20	COMP	07	Handover	No	RD Frac RU WL					
09:20	11:47	2.45	COMP	06	WL Ops Frac	No	WL Stage # 13					
11:47	11:59	0.20	COMP	07	Handover	No	RD WL RU Frac					
11:59	15:16	3.28	COMP	03	Frac Ops Pumping	No	Frac Stage # 13					
15:16	15:25	0.15	COMP	07	Handover	No	RD Frac RU WL					
15:25	17:47	2.37	COMP	06	WL Ops Frac	No	WL Stage # 14					
17:47	18:00	0.22	COMP	07	Handover	No	RD WL RU Frac					
18:00	19:25	1.42	COMP	03	Frac Ops Pumping	No	Frac Stage # 14					
19:25	19:40	0.25	COMP	35- 050	Frac - Other	Yes	SD with wbv flush due to issues with Data Van generator.					
19:40	22:05	2.42	COMP	03	Frac Ops Pumping	No	Continue & complete Frac Stage # 14					
22:05	22:20	0.25	COMP	07	Handover	No	RD Frac RU WL					
22:20	00:00	1.67	COMP	06	WL Ops Frac	No	WL Stage # 15					

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

Rig Information	Safety	Contacts
Daily NPT Cost : 0.00	Last Sr Inspect :	Supervisor :
Cum Rig Hours : 3427.73	Last BOP Test :	Phone :
Rigs For Today : Alamo	Accident Free Day :	Superintendent :
KB Elevation : 2768.00 ft	Last Safety Meeting :	Phone :
KB To GL : 0.00 ft	Meeting Topic :	

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	6	Daily Cost :	\$13,368
Report Date :	8/17/2018	Cost To Date :	\$854,765
		A/E # :	PB18100006
		A/E :	\$10,772,650
		A/E Cost to Date :	\$6,504,279

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		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 605H

Property Number

43STRIPES605

Prospect :

Bottom Hole Targets

UWM

API / License #

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

4249533809

Financials

Daily Cost : \$252,828

Cost To Date : \$1,414,309

AFE # : PB18100006

AFE : \$10,772,650

AFE Cost to Date : \$7,063,823

Report Information

Report # : 7

Report Date : 8/18/2018

Well Information

Design : Horizontal

Well Type : Oil

Sweet/Sour :

Prospect :

Elevations

GL : 2768.00

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 605H
08/18/18 - 08/19/18 - Frac Ops Alamo
Laptop: PBDC46

Hold JSA / Safety meeting with all parties on location
22:20 Begin WL Stage #15
Pump down: 10 bpm at 6455 max psi using 257 bbls
Set Purple Seal PS-3 at 18789'. PUH and perforate as follows:
18769' - 18767' (8), 18729' - 18727' (8), 18689' - 18687' (8), 18649' - 18647' (8), and 18609' - 18607' (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 @ 0:30. Inspected, plug set and all shots fired, dropped ball
No changes made. Good run.
0:36 Begin Frac Stage #15
OWH: 4538 psi Break at 9993 psi at 15 bpm
Pump 2547 gals of 15% HCL - 10814 bbls (Clean) pumped
ISIP: 5560 psi FG: 0.9 psi/ft 5 min: N/A psi
MP: 11055 psi MR: 79.96 bpm AP: 10575.6 psi AR: 67.7 bpm MPC: 2 ppg
Tot 100: 108320 lbs. Tot 40/70: 291160 lbs
FR5 - 267 gal; SSI - 150 lbs; SI - 109 gal; Bio - 229 gal; Surf - 130 gal; FR18 - 77 gal
3:45 Frac Stage #15 Complete
All proppant displaced into formation.
3:57 Begin WL Stage #16
Pump down: 9 bpm at 6410 max psi using 241 bbls
Set Purple Seal PS-3 at 18588'. PUH and perforate as follows:
18568' - 18566' (8), 18528' - 18526' (8), 18488' - 18486' (8), 18448' - 18446' (8), and 18408' - 18406' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 6:23. Inspected, plug set and all shots fired, dropped ball
Good run, no adjustments.
6:31 Begin Frac Stage #16
OWH: 4650 psi Break at 9012 psi at 14 bpm
Pump 2497 gals of 15% HCL - 11024 bbls (Clean) pumped
ISIP: 5700 psi FG: 0.92 psi/ft 5 min: N/A psi
MP: 11219 psi MR: 80.26 bpm AP: 10656 psi AR: 66 bpm MPC: 2 ppg
Tot 100: 107660 lbs. Tot 40/70: 294320 lbs
FR5 - 270 gal; SSI - 150 lbs; SI - 132 gal; Bio - 163 gal; Surf - 129 gal; FR18 - 59 gal
9:46 Frac Stage #16 Complete
Good stage all proppant pumped to design.
10:00 Begin WL Stage #17
Pump down: 10 bpm at 6171 max psi using 222 bbls
Set Purple Seal PS-3 at 18390'. PUH and perforate as follows:
18367' - 18365' (8), 18327' - 18325' (8), 18287' - 18285' (8), 18247' - 18245' (8), and 18207' - 18205' (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 @ 12:13. Inspected, plug set and all shots fired, dropped ball
Good run, plug moved down 3' to avoid collar.
12:27 Begin Frac Stage #17
OWH: 4825 psi Break at 7081 psi at 15 bpm
Pump 2434 gals of 15% HCL - 11176 bbls (Clean) pumped
ISIP: 5581 psi FG: 0.91 psi/ft 5 min: N/A psi
MP: 11098 psi MR: 78.3 bpm AP: 10584 psi AR: 68.2 bpm MPC: 2 ppg
Tot 100: 106180 lbs. Tot 40/70: 293020 lbs
FR5 - 235 gal; SSI - 150 lbs; SI - 110 gal; Bio - 216 gal; Surf - 127 gal; FR18 - 118 gal
18:00 Frac Stage #17 Complete
NPT Alamo - (2.23 hrs) Lost data van pump control computer. Pump computer was re-booted prior to stage. Shut down during pad so etech can swap out computer. All proppant displaced.
18:10 Begin WL Stage #18
Pump down: 10 bpm at 6424 max psi using 225 bbls
Set Purple Seal PS-3 at 18182'. PUH and perforate as follows:
18166' - 18164' (8), 18126' - 18124' (8), 18086' - 18084' (8), 18046' - 18044' (8), and 18006' - 18004' (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 @ 20:20. Inspected, plug set and all shots fired, dropped ball
Moved plug to avoid collar. Good run
NPT Alamo - (2.05 Hrs) SD due to nearby lightning in immediate area.
00:00 Frac Stage #18 during report time which began at 22:23
Total NPT: 4.28 Hrs (Alamo) - 2.23 Hrs, Lost data van pump control computer. 2.05 Hrs, SD due to nearby lightning in immediate area.

Offset Wells: Yesterday Today
UNIV 20 4701 2326 psi 2379 psi
UNIV 20 4702 3173 psi 3103 psi
UNIV 35-20 1H 273 psi 375 psi

Page 1

UNIV 35-20 2H	205 psi	223 psi
UNIV 38-20 1H	221 psi	276 psi
UNIV 38-20 2H	9 psi	7 psi
WL BHA Measurements:		
Fishing Neck	2"	10" (.83')
CCL	2.75"	19" (1'7")
Weight Bar	2.75"	84" (7')
Release Tool	2.78"	2.54

Current Activity :
Frac Operations

Next 24 hrs :
Frac Operations

Time Breakdown				Day Start Time : 00:00		Total Hours : 72.00		Time Code :	
Start Time	End Time	Hours	Phase	Activity			Time Code		
				Time Code	Description	NPT			
00:00	00:30	0.50	COMP	06	WL Ops Frac	No	Continue & complete WL Stage # 15		
00:30	00:36	0.10	COMP	07	Handover	No	RD WL RU Frac		
00:36	03:45	3.15	COMP	03	Frac Ops Pumping	No	Frac Stage # 15		
03:45	03:57	0.20	COMP	07	Handover	No	RD Frac RU WL		
03:57	06:23	2.43	COMP	06	WL Ops Frac	No	WL Stage # 16		
06:23	06:31	0.13	COMP	07	Handover	No	RD WL RU Frac		
06:31	09:46	3.25	COMP	03	Frac Ops Pumping	No	Frac Stage # 16		
09:46	10:00	0.23	COMP	07	Handover	No	RD Frac RU WL		
10:00	12:13	2.22	COMP	06	WL Ops Frac	No	WL Stage # 17		
12:13	12:27	0.23	COMP	07	Handover	No	RD WL RU Frac		
12:27	12:55	0.47	COMP	03	Frac Ops Pumping	No	Frac Stage # 17		
12:55	15:09	2.23	COMP	35- 060	Frac - Other	Yes	Alamo - Lost data van pump control computer		
15:09	18:00	2.85	COMP	03	Frac Ops Pumping	No	(Resume) Frac Stage # 17		
18:00	18:10	0.17	COMP	07	Handover	No	RD Frac RU WL		
18:10	20:20	2.17	COMP	06	WL Ops Frac	No	WL Stage # 18		
20:20	22:23	2.05	COMP	35- 110	Weather	Yes	Alamo - SD pumps due to nearby lightning in immediate area.		
22:23		0.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 18		
00:00		0.00	COMP	07	Handover	No	RD Frac RU WL		
00:00		0.00	COMP	03	Frac Ops Pumping	No	WL Stage # 19		

Personnel Hours

Vendor	Vendor Type	Number Of People	Hours On Site	Total Hours
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<div>Rig Information</div> <div>Daily NPT Cost : 2453.29</div> <div>Cum Rig Hours : 7382.80</div> <div>Rigs For Today : Alamo</div> <div>KB Elevation : 2768.00 ft</div> <div>KB To GL : 0.00 ft</div>	<div>Safety</div> <div>Last Sr Inspect : </div> <div>Last BOP Test : </div> <div>Accident Free Day : </div> <div>Last Safety Meeting : </div> <div>Meeting Topic : </div>	<div>Contacts</div> <div>Supervisor : </div> <div>Phone : </div> <div>Superintendent : </div> <div>Phone : </div>
<div>Comments</div> <div></div>		
<div>Attachments</div> <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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	7	Daily Cost :	\$252,828
Report Date :	8/18/2018	Cost To Date :	\$1,414,309
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,063,823

Event Details

Event Objective :

Frac

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	8	Daily Cost :	\$322,633
Report Date :	8/19/2018	Cost To Date :	\$1,736,942
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,386,456

Well Information			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
Elevations		Target Formations	
GL :	2768.00	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 605H 08/19/18 - 08/20/18 - Frac Ops Alamo Laptop: PBDC46
Hold JSA / Safety meeting with all parties on location 22:23 Begin Frac Stage #18 OWH: 4541 psi Break at 11210 psi at 15 bpm Pump 2434 gals of 15% HCL - 10848 bbls (Clean) pumped ISIP: 5706 psi FG: 0.92 psi/ft 5 min: N/A psi MP: 11434 psi MR: 83.1 bpm AP: 10649 psi AR: 67.6 bpm MPC: 2 ppg Tot 100: 106940 lbs. Tot 40/70: 294360 lbs FR5 - 282 gal; SSI - 150 lbs; SI - 156 gal; Bio - 208 gal; Surf - 126 gal; FR18 - 119 gal 1:37 Frac Stage #18 Complete All proppant displaced into formation. NPT Alamo - (2.05 Hrs) SD due to nearby lightning in the immediate area prior to stage. 1:50 Begin WL Stage #19 Pump down: 9 bpm at 6500 max psi using 227 bbls Set Purple Seal PS-3 at 17985'. PUH and perforate as follows: 17965' - 17963' (8), 17925' - 17923' (8), 17885' - 17883' (8), 17845' - 17843' (8), and 17805' - 17803' (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 @ 3:59. Inspected, plug set and all shots fired, dropped ball No changes made. Good run. 4:04 Begin Frac Stage #19 OWH: 4799 psi Break at 7426 psi at 15 bpm Pump 2508 gals of 15% HCL - 12673 bbls (Clean) pumped ISIP: 5921 psi FG: 0.94 psi/ft 5 min: N/A psi MP: 11067 psi MR: 74.12 bpm AP: 10398.4 psi AR: 66.2 bpm MPC: 2 ppg Tot 100: 106320 lbs. Tot 40/70: 294000 lbs FR5 - 363 gal; SSI - 150 lbs; SI - 134 gal; Bio - 214 gal; Surf - 132 gal; FR18 - 121 gal 8:10 Frac Stage #19 Complete NPT Alamo - (0.18 hrs) Hard SD due to 2" valve on missile blew bonnet off during stage. Got well flushed then restarted proppant at .5# and ramped up to complete stage at 2# all proppant pumped. 8:23 Begin WL Stage #20 Pump down: 10 bpm at 7553 max psi using 223 bbls Set Purple Seal PS-3 at 17784'. PUH and perforate as follows: 17764' - 17762' (8), 17724' - 17722' (8), 17684' - 17682' (8), 17644' - 17642' (8), and 17604' - 17602' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 10:42. Inspected, plug set and all shots fired, dropped ball Good run, no adjustments. 11:43 Begin Frac Stage #20 OWH: 4694 psi Break at 10890 psi at 15 bpm Pump 2547 gals of 15% HCL - 10763 bbls (Clean) pumped ISIP: 5729 psi FG: 0.924310623983566 psi/ft 5 min: N/A psi MP: 11357 psi MR: 83.82 bpm AP: 10336.1348 psi AR: 64.4219 bpm MPC: 2 ppg Tot 100: 106180 lbs. Tot 40/70: 294340 lbs FR5 - 290 gal; SSI - 150 lbs; SI - 112 gal; Bio - 263 gal; Surf - 103 gal; FR18 - 123 gal 15:29 Frac Stage #20 Complete NPT Alamo (0.77 hrs) Excessive PU/PT time due to swapping out valve on missile and 2 chiksans. Good stage all proppant pumped to design. 15:12 Begin WL Stage #21 Pump down: 10 bpm at 6540 max psi using 187 bbls Set Purple Seal PS-3 at 17583'. PUH and perforate as follows: 17563' - 17561' (8), 17523' - 17521' (8), 17483' - 17481' (8), 17443' - 17441' (8), and 17403' - 17401' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 17:25. Inspected, plug set and all shots fired, dropped ball No changes made. Good run. 17:33 Begin Frac Stage #21 OWH: 4883 psi Break at 7317 psi at 15 bpm Pump 2547 gals of 15% HCL - 10832 bbls (Clean) pumped ISIP: 5845 psi FG: 0.93 psi/ft 5 min: N/A psi MP: 11219 psi MR: 86.26 bpm AP: 10681 psi AR: 71.4 bpm MPC: 2 ppg Tot 100: 105180 lbs. Tot 40/70: 294860 lbs FR5 - 250 gal; SSI - 150 lbs; SI - 156 gal; Bio - 204 gal; Surf - 143 gal; FR18 - 82 gal 20:33 Frac Stage #21 Complete All proppant displaced into formation. 20:45 Begin WL Stage #22 Pump down: 9 bpm at 6020 max psi using 208 bbls Set Purple Seal PS-3 at 17382'. PUH and perforate as follows: 17361' - 17359' (8), 17322' - 17320' (8), 17282' - 17280' (8), 17242' - 17240' (8), and 17202' - 17200' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 22:50. Inspected, plug set and all shots fired, dropped ball

Moved first shot to avoid collars. Good run.
00:00 Frac Stage #22 during report time which began at 20:55.

Total NPT: (Alamo) - 0.77 Hrs, Alamo excessive PU/PT time due to swapping out valve on missile and 2 chiksans.

Offset Wells:	Yesterday	Today
UNIV 20 4701	2326 psi	2404 psi
UNIV 20 4702	3173 psi	3076 psi
UNIV 35-20 1H	273 psi	241 psi
UNIV 35-20 2H	205 psi	202 psi
UNIV 38-20 1H	221 psi	240 psi
UNIV 38-20 2H	9 psi	8 psi

WL BHA Measurements:		
Fishing Neck	2"	10" (.83')
CCL	2.75"	19" (1'7")
Weight Bar	2.75"	84" (7')

Current Activity :

Frac Operations

Next 24 hrs :

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	01:37	1.62	COMP	03	Frac Ops Pumping	No	Continue & complete Frac Stage # 18
01:37	01:50	0.22	COMP	07	Handover	No	RD Frac RU WL
01:50	03:59	2.15	COMP	06	WL Ops Frac	No	WL Stage # 19
03:59	04:04	0.08	COMP	07	Handover	No	RD WL RU Frac
04:04	06:53	2.82	COMP	03	Frac Ops Pumping	No	Frac Stage # 19
06:53	07:04	0.18	COMP	35- 010	Frac - Frac Iron	Yes	Alamo hard SD due to 2" valve on missile blew bonnet off during stage.
07:04	08:11	1.12	COMP	03	Frac Ops Pumping	No	(Resume) Frac Stage # 19
08:11	08:23	0.20	COMP	07	Handover	No	RD Frac RU WL
08:23	10:42	2.32	COMP	06	WL Ops Frac	No	WL Stage # 20
10:42	10:57	0.25	COMP	07	Handover	No	RD WL RU Frac
10:57	11:43	0.77	COMP	35- 010	Frac - Frac Iron	Yes	Alamo excessive PU/ PT time due to swapping out valve on missile and 2 chiksans.
11:43	14:59	3.27	COMP	03	Frac Ops Pumping	No	Frac Stage # 20
14:59	15:12	0.22	COMP	07	Handover	No	RD Frac RU WL
15:12	17:25	2.22	COMP	06	WL Ops Frac	No	WL Stage # 21
17:25	17:33	0.13	COMP	07	Handover	No	RD WL RU Frac
17:33	20:33	3.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 21
20:33	20:45	0.20	COMP	07	Handover	No	RD Frac RU WL
20:45	22:50	2.08	COMP	06	WL Ops Frac	No	WL Stage # 22
22:50	22:55	0.08	COMP	07	Handover	No	RD WL RU Frac
22:55	00:00	1.08	COMP	03	Frac Ops Pumping	No	Frac Stage # 22

Personnel Hours

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

Daily NPT Cost :	544.54
Cum Rig Hours :	7927.34
Rigs For Today :	Alamo
KB Elevation :	2768.00 ft
KB To GL :	0.00 ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	Yes
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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	8	Daily Cost :	\$322,633
Report Date :	8/19/2018	Cost To Date :	\$1,736,942
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,386,456

Event Details

Event Objective :

Frac

Start :

Finish :

Workover # :

Load Fluids

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

Hauled In (bbl) :

Day Total : 0.0

To Date : 0.0

Hauled Out (bbl):

Day Total : 0.0

To Date : 0.0

Pumped (bbl):

Day Total : 0.0

To Date : 0.0

Recovered (bbl):

Day Total : 0.0

To Date : 0.0

Left To Recover (bbl):

Day Total : 0.0

To Date : 0.0

Surface Balance (bbl):

Day Total : 0.0

To Date : 0.0

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

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

Daily Completions/WO Report



Location Information

AREAPermian

COST POOLDB EEX CP

BUDGET AREAEEX-Block 20

Well NameUL 20 STRIPES 38-47 605H

Property Number43STRIPES605

Prospect :

Bottom Hole Targets

UWM

API / License #

Sec 47, Blk 20, 200' FSEL & 1254' FNEL4249533809

Financials

Daily Cost :\$13,368Cost To Date :\$2,073,039

AFE # :PB18100006

AFE :\$10,772,650AFE Cost to Date :\$7,722,553

Report Information

Report # :10Report Date :8/21/2018

Well Information

Design :HorizontalWell Type :OilSweet/Sour :Prospect :

Elevations

GL :2768.00ftReserve Pit Freeboard :0.00ft

Target Formations

Target Formation

SS Elev.

Event Details

Event Objective :FracEvent Sub Type :Frac

Start :Finish :Workover # :Plugback :0.00

Tubing Config. :Prod. Through :Final Status :

Daily Summary

Summary (last 24 hrs) :

Current Activity :

Frac Operations

Next 24 hrs :

Frac Operations

Time Breakdown

Day Start Time :00:00Total Hours :72.00Time Code :

Start Time	End Time	Hours	Phase	Activity			Time Code
				Time Code	Description	NPT	
00:00	01:10	1.17	COMP	03	Frac Ops Pumping	No	Continue & Complete Frac Stage # 26
01:10	01:20	0.17	COMP	07	Handover	No	RD Frac RU WL
01:20	03:30	2.17	COMP	06	WL Ops Frac	No	WL Stage # 27
03:30	03:42	0.20	COMP	07	Handover	No	RD WL RU Frac
03:42		0.00	COMP	03	Frac Ops Pumping	No	Frac Stage # 27
00:00		0.00	COMP	07	Handover	No	RD Frac RU WL
00:00		0.00	COMP	06	WL Ops Frac	No	WL Stage # 28

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 :8643.84

Rigs For Today :Alamo

KB Elevation :2768.00ft

KB To GL :0.00ft

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	10	Daily Cost :	\$13,368
Report Date :	8/21/2018	Cost To Date :	\$2,073,039
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$7,722,553

Event Details

Event Objective :

Start :

Finish :

Workover # :

Load Fluids

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

Hauled In (bbl) :

0.0

Hauled Out (bbl):

0.0

Pumped (bbl):

0.0

Recovered (bbl):

0.0

Left To Recover (bbl):

0.0

Surface Balance (bbl):

0.0

Day Total :

0.0

To Date :

0.0

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 605H
Property Number	43STRIPES605
Prospect :	

Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809

Financials

Daily Cost :	\$324,833	Cost To Date :	\$3,034,160
AFE # :	PB18100006		
AFE :	\$10,772,650	AFE Cost to Date :	\$8,692,674

Report Information

Report # :	12	Report Date :	8/23/2018
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Well Information

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

GL :	2768.00	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 :		<div></div>		Finish :		<div></div>	
		Workover # :		<div></div>		Plugback :	
		0.00		<div></div>			
Tubing Config. :		<div></div>		Prod. Through :		<div></div>	
				Final Status :		<div></div>	

Daily Summary

Summary (last 24 hrs) :

UL 20 Stripes 38-47 605H
08/23/18 - 08/24/18 - Frac Ops Alamo
Laptop: PBDC46

Hold JSA / Safety meeting with all parties on location

21:49 Begin Frac Stage #34

OWH: 4904 psi Break at 9974 psi at 16 bpm

Pump 2434 gals of 15% HCL - 11947 bbls (Clean) pumped

ISIP: 5953 psi FG: 0.94 psi/ft 5 min: N/A psi

MP: 11137 psi MR: 95 bpm AP: 10411 psi AR: 83.3 bpm MPC: 2 ppg

Tot 100: 106200 lbs. Tot 40/70: 294140 lbs

FR5 - 418 gal; SSI - 150 lbs; SI - 102 gal; Bio - 222 gal; Surf - 110 gal; FR18 - 138 gal

0:35 Frac Stage #34 Complete

Screws were cut momentarily during the 1.0 ppg 100 Mesh due to blender screen malfunction. Issues with the HiFlow 5 chem pump during the 1.25 ppg 40/70. Cut screws and staged a 500 bbl sweep while running HiFlow 18. Continued stage on 0.5 ppg 40/70, ramped propp and completed stage with all sand displaced into formation.

0:45 Begin WL Stage #35

Pump down: 9 bpm at 6150 max psi using 100 bbls

Set Purple Seal PS-3 at 14769'. PUH and perforate as follows:

14749' - 14747' (8), 14709' - 14707' (8), 14669' - 14667' (8), 14629' - 14627' (8), and 14589' - 14587' (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 @ 2:45. Inspected, plug set and all shots fired, dropped ball

No changes made. Good run.

2:51 Begin Frac Stage #35

OWH: 5272 psi Break at 8724 psi at 15 bpm

Pump 2558 gals of 15% HCL - 10888 bbls (Clean) pumped

ISIP: 6059 psi FG: 0.95 psi/ft 5 min: N/A psi

MP: 11142 psi MR: 91.5 bpm AP: 10579.3 psi AR: 79.3 bpm MPC: 2 ppg

Tot 100: 106060 lbs. Tot 40/70: 294760 lbs

FR5 - 272 gal; SSI - 150 lbs; SI - 141 gal; Bio - 219 gal; Surf - 111 gal; FR18 - 69 gal

5:34 Frac Stage #35 Complete

Good stage all proppant pumped.

5:38 Begin WL Stage #36

Pump down: 9 bpm at 5500 max psi using 105 bbls

Set Purple Seal PS-3 at 14568'. PUH and perforate as follows:

14548' - 14546' (8), 14508' - 14506' (8), 14468' - 14466' (8), 14429' - 14427' (8), and 14391' - 14389' (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 @ 7:19. Inspected, plug set and all shots fired, dropped ball

Good run, shot 4 moved down 1' and shot 5 moved down 3' to avoid collars.

7:33 Begin Frac Stage #36

OWH: 5284 psi Break at 8604 psi at 14.4 bpm

Pump 2547 gals of 15% HCL - 11033 bbls (Clean) pumped

ISIP: 5947 psi FG: 0.94 psi/ft 5 min: N/A psi

MP: 103990 psi MR: 90.86 bpm AP: 10229.5771 psi AR: 77.3428 bpm MPC: 2 ppg

Tot 100: 106660 lbs. Tot 40/70: 293760 lbs

FR5 - 230 gal; SSI - 150 lbs; SI - 137 gal; Bio - 216 gal; Surf - 133 gal; FR18 - 80 gal

10:27 Frac Stage #36 Complete

Good stage had several pressure spikes during stage. Rate was dropped then increased all proppant displaced into formation.

10:38 Begin WL Stage #37

Pump down: 9 bpm at 6620 max psi using 90 bbls

Set Purple Seal PS-3 at 14367'. PUH and perforate as follows:

14346' - 14344' (8), 14307' - 14305' (8), 14267' - 14265' (8), 14227' - 14225' (8), and 14187' - 14185' (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 @ 12:18. Inspected, plug set and all shots fired, dropped ball

Good run shot 1 moved up 1' to avoid collar.

12:33 Begin Frac Stage #37

OWH: 5325 psi Break at 7625 psi at 15 bpm

Pump 2547 gals of 15% HCL - 10833 bbls (Clean) pumped

ISIP: 6027 psi FG: 0.95 psi/ft 5 min: N/A psi

MP: 10981 psi MR: 85.74 bpm AP: 9824 psi AR: 77.5 bpm MPC: 2 ppg

Tot 100: 105700 lbs. Tot 40/70: 294540 lbs

FR5 - 286 gal; SSI - 150 lbs; SI - 114 gal; Bio - 253 gal; Surf - 111 gal; FR18 - 83 gal

15:24 Frac Stage #37 Complete

Good stage all proppant pumped. Frac was rate limited to 88 bpm due to lack of HHP.

15:30 Begin WL Stage #38

Pump down: 9 bpm at 6100 max psi using 91 bbls

Set Purple Seal PS-3 at 14166'. PUH and perforate as follows:

14146' - 14144' (8), 14106' - 14104' (8), 14066' - 14064' (8), 14026' - 14024' (8), and 13986' - 13984' (8)

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

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

Good run, no adjustments.

Alamo currently is conducting pump maintenance on four pumps and swapping fluid ends during report time. NPT: 6.47 Hrs

Total NPT: (6.47 Hrs) - Alamo, conducting pump maintenance on four pumps and swapping fluid ends.

Offset Wells:

Yesterday

Today

Tubing/Casing

Tubing/Casing

UNIV 20 4701

2490/3105

2680/4619

UNIV 20 4702

3100/2992

3350/3034

UNIV 35-20 2H

220/1010

250/1100

UNIV 38-20 2H

4360/3582

4350/3549

UNIV 36-20 1H

150 /1228

150/1277

UNIV 48-20 1H

0/150

0/150

WL BHA Measurements:

Fishing Neck

2"

10" (.83')

CCL

2.75"

19" (1'7")

Weight Bar

2.75"

84" (7')

Current Activity :

Frac Operations

Next 24 hrs :

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		Continue and complete Frac Stage # 34	
00:35	00:45	0.17	COMP	07	Handover	No		RD Frac RU WL	
00:45	02:45	2.00	COMP	06	WL Ops Frac	No		WL Stage # 35	
02:45	02:51	0.10	COMP	07	Handover	No		RD WL RU Frac	
02:51	05:33	2.70	COMP	03	Frac Ops Pumping	No		Frac Stage # 35	
05:33	05:38	0.08	COMP	07	Handover	No		RD Frac RU WL	
05:38	07:19	1.68	COMP	06	WL Ops Frac	No		WL Stage # 36	
07:19	07:34	0.25	COMP	07	Handover	No		RD WL RU Frac	
07:34	10:27	2.88	COMP	03	Frac Ops Pumping	No		Frac Stage # 36	
10:27	10:38	0.18	COMP	07	Handover	No		RD Frac RU WL	
10:38	12:18	1.67	COMP	06	WL Ops Frac	No		WL Stage # 37	
12:18	12:33	0.25	COMP	07	Handover	No		RD WL RU Frac	
12:33	15:24	2.85	COMP	03	Frac Ops Pumping	No		Frac Stage # 37	
15:24	15:30	0.10	COMP	07	Handover	No		RD Frac RU WL	
15:30	17:17	1.78	COMP	06	WL Ops Frac	No		WL Stage # 38	
17:17	17:32	0.25	COMP	07	Handover	No		RD WL RU Frac	
17:32	00:00	6.47	COMP	35- 030	Frac - Pump Maintenance	Yes		Conduct Alamo pump maintenance, swap fluid end. RI extra pumps.	

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

Rig Information

Daily NPT Cost :

3708.59

Cum Rig Hours :

15023.54

Rigs For Today :

Alamo

KB Elevation :

2768.00

ft

KB To GL :

0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Yes

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	12	Daily Cost :	\$324,833
Report Date :	8/23/2018	Cost To Date :	\$3,034,160
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,692,674

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

Daily Completions/WO Report



Location Information		Bottom Hole Targets	
AREA	Permian	UWM	
COST POOL	DB EEX CP	API / License #	
BUDGET AREA	EEX-Block 20	Sec 47, Blk 20, 200' FSEL & 1254' FNEL	
Well Name	UL 20 STRIPES 38-47 605H	4249533809	
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	12	Daily Cost :	\$324,833
Report Date :	8/24/2018	Cost To Date :	\$3,061,359
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,719,873

Well Information			
Design :	Horizontal	Well Type :	Oil
		Sweet/Sour :	
		Prospect :	
Elevations		Target Formations	
GL :	2768.00	ft	Reserve Pit Freeboard :
			0.00
		ft	

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

Daily Summary
Summary (last 24 hrs) :
UL 20 Stripes 38-47 605H
08/23/18 - 08/24/18 - Frac Ops Alamo
Laptop: PBDC46
Hold JSA / Safety meeting with all parties on location
21:49 Begin Frac Stage #34
OWH: 4904 psi Break at 9974 psi at 16 bpm
Pump 2434 gals of 15% HCL - 11947 bbls (Clean) pumped
ISIP: 5953 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 11137 psi MR: 95 bpm AP: 10411 psi AR: 83.3 bpm MPC: 2 ppg
Tot 100: 106200 lbs. Tot 40/70: 294140 lbs
FR5 - 418 gal; SSI - 150 lbs; SI - 102 gal; Bio - 222 gal; Surf - 110 gal; FR18 - 138 gal
0:35 Frac Stage #34 Complete
Screws were cut momentarily during the 1.0 ppg 100 Mesh due to blender screen malfunction. Issues with the HiFlow 5 chem pump during the 1.25 ppg 40/70. Cut screws and staged a 500 bbl sweep while running HiFlow 18. Continued stage on 0.5 ppg 40/70, ramped propp and completed stage with all sand displaced into formation.
0:45 Begin WL Stage #35
Pump down: 9 bpm at 6150 max psi using 100 bbls
Set Purple Seal PS-3 at 14769'. PUH and perforate as follows:
14749' - 14747' (8), 14709' - 14707' (8), 14669' - 14667' (8), 14629' - 14627' (8), and 14589' - 14587' (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 @ 2:45. Inspected, plug set and all shots fired, dropped ball
No changes made. Good run.
2:51 Begin Frac Stage #35
OWH: 5272 psi Break at 8724 psi at 15 bpm
Pump 2558 gals of 15% HCL - 10888 bbls (Clean) pumped
ISIP: 6059 psi FG: 0.95 psi/ft 5 min: N/A psi
MP: 11142 psi MR: 91.5 bpm AP: 10579.3 psi AR: 79.3 bpm MPC: 2 ppg
Tot 100: 106060 lbs. Tot 40/70: 294760 lbs
FR5 - 272 gal; SSI - 150 lbs; SI - 141 gal; Bio - 219 gal; Surf - 111 gal; FR18 - 69 gal
5:34 Frac Stage #35 Complete
Good stage all proppant pumped.
5:38 Begin WL Stage #36
Pump down: 9 bpm at 5500 max psi using 105 bbls
Set Purple Seal PS-3 at 14568'. PUH and perforate as follows:
14548' - 14546' (8), 14508' - 14506' (8), 14468' - 14466' (8), 14429' - 14427' (8), and 14391' - 14389' (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 @ 7:19. Inspected, plug set and all shots fired, dropped ball
Good run, shot 4 moved down 1' and shot 5 moved down 3' to avoid collars.
7:33 Begin Frac Stage #36
OWH: 5284 psi Break at 8604 psi at 14.4 bpm
Pump 2547 gals of 15% HCL - 11033 bbls (Clean) pumped
ISIP: 5947 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 103990 psi MR: 90.86 bpm AP: 10229.5771 psi AR: 77.3428 bpm MPC: 2 ppg
Tot 100: 106660 lbs. Tot 40/70: 293760 lbs
FR5 - 230 gal; SSI - 150 lbs; SI - 137 gal; Bio - 216 gal; Surf - 133 gal; FR18 - 80 gal
10:27 Frac Stage #36 Complete
Good stage had several pressure spikes during stage. Rate was dropped then increased all proppant displaced into formation.
10:38 Begin WL Stage #37
Pump down: 9 bpm at 6620 max psi using 90 bbls
Set Purple Seal PS-3 at 14367'. PUH and perforate as follows:
14346' - 14344' (8), 14307' - 14305' (8), 14267' - 14265' (8), 14227' - 14225' (8), and 14187' - 14185' (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 @ 12:18. Inspected, plug set and all shots fired, dropped ball
Good run shot 1 moved up 1' to avoid collar.
12:33 Begin Frac Stage #37
OWH: 5325 psi Break at 7625 psi at 15 bpm
Pump 2547 gals of 15% HCL - 10833 bbls (Clean) pumped
ISIP: 6027 psi FG: 0.95 psi/ft 5 min: N/A psi
MP: 10981 psi MR: 85.74 bpm AP: 9824 psi AR: 77.5 bpm MPC: 2 ppg
Tot 100: 105700 lbs. Tot 40/70: 294540 lbs
FR5 - 286 gal; SSI - 150 lbs; SI - 114 gal; Bio - 253 gal; Surf - 111 gal; FR18 - 83 gal
15:24 Frac Stage #37 Complete
Good stage all proppant pumped. Frac was rate limited to 88 bpm due to lack of HHP.
15:30 Begin WL Stage #38
Pump down: 9 bpm at 6100 max psi using 91 bbls
Set Purple Seal PS-3 at 14166'. PUH and perforate as follows:
14146' - 14144' (8), 14106' - 14104' (8), 14066' - 14064' (8), 14026' - 14024' (8), and 13986' - 13984' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.

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

Good run, no adjustments.

Alamo currently is conducting pump maintenance on four pumps and swapping fluid ends during report time. NPT: 6.47 Hrs

Total NPT: (6.47 Hrs) - Alamo, conducting pump maintenance on four pumps and swapping fluid ends.

Offset Wells:

Yesterday

Today

Tubing/Casing

Tubing/Casing

UNIV 20 4701

2490/3105

2680/4619

UNIV 20 4702

3100/2992

3350/3034

UNIV 35-20 2H

220/1010

250/1100

UNIV 38-20 2H

4360/3582

4350/3549

UNIV 36-20 1H

150 /1228

150/1277

UNIV 48-20 1H

0/150

0/150

WL BHA Measurements:

Fishing Neck

2"

10" (.83')

CCL

2.75"

19" (1'7")

Weight Bar

2.75"

84" (7')

Current Activity :

Frac Operations

Next 24 hrs :

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		Continue and complete Frac Stage # 34	
00:35	00:45	0.17	COMP	07	Handover	No		RD Frac RU WL	
00:45	02:45	2.00	COMP	06	WL Ops Frac	No		WL Stage # 35	
02:45	02:51	0.10	COMP	07	Handover	No		RD WL RU Frac	
02:51	05:33	2.70	COMP	03	Frac Ops Pumping	No		Frac Stage # 35	
05:33	05:38	0.08	COMP	07	Handover	No		RD Frac RU WL	
05:38	07:19	1.68	COMP	06	WL Ops Frac	No		WL Stage # 36	
07:19	07:34	0.25	COMP	07	Handover	No		RD WL RU Frac	
07:34	10:27	2.88	COMP	03	Frac Ops Pumping	No		Frac Stage # 36	
10:27	10:38	0.18	COMP	07	Handover	No		RD Frac RU WL	
10:38	12:18	1.67	COMP	06	WL Ops Frac	No		WL Stage # 37	
12:18	12:33	0.25	COMP	07	Handover	No		RD WL RU Frac	
12:33	15:24	2.85	COMP	03	Frac Ops Pumping	No		Frac Stage # 37	
15:24	15:30	0.10	COMP	07	Handover	No		RD Frac RU WL	
15:30	17:17	1.78	COMP	06	WL Ops Frac	No		WL Stage # 38	
17:17	17:32	0.25	COMP	07	Handover	No		RD WL RU Frac	
17:32	00:00	6.47	COMP	35- 030	Frac - Pump Maintenance	Yes		Conduct Alamo pump maintenance, swap fluid end. RI extra pumps.	

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

Rig Information

Daily NPT Cost :

3708.59

Cum Rig Hours :

15023.54

Rigs For Today :

Alamo

KB Elevation :

2768.00

ft

KB To GL :

0.00

ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day :

Yes

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	12	Daily Cost :	\$324,833
Report Date :	8/24/2018	Cost To Date :	\$3,061,359
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$8,719,873

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	UWM	
COST POOL	DB EEX CP	API / License #	
BUDGET AREA	EEX-Block 20	Sec 47, Blk 20, 200' FSEL & 1254' FNEL	
Well Name	UL 20 STRIPES 38-47 605H	4249533809	
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	13	Daily Cost :	\$322,595
Report Date :	8/25/2018	Cost To Date :	\$3,383,954
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$9,042,468

Well Information			
Design :	Horizontal	Well Type :	Oil
Sweet/Sour :		Prospect :	
Elevations		Target Formations	
GL :	2768.00	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 605H 08/24/18 - 08/25/18 - Frac Ops Alamo Laptop: PBDC46
Hold JSA / Safety meeting with all parties on location Continue pump maintenance from previous day. NPT - 3.50 hrs (Alamo) 3:30 Begin Frac Stage #38 OWH: 4657 psi Break at 7023 psi at 15 bpm Pump 2534 gals of 15% HCL - 10943 bbls (Clean) pumped ISIP: 6030 psi FG: 0.95 psi/ft 5 min: N/A psi MP: 11117 psi MR: 93.5 bpm AP: 10211.7 psi AR: 81.2 bpm MPC: 2 ppg Tot 100: 106620 lbs. Tot 40/70: 294980 lbs FR5 - 207 gal; SSI - 150 lbs; SI - 148 gal; Bio - 205 gal; Surf - 111 gal; FR18 - 81 gal 6:09 Frac Stage #38 Complete NPT: (9.97 Hrs) - Alamo conducting pump maintenance on four pumps. Swap fluid ends, RI extra pump from yard. Good stage all proppant pumped. 6:18 Begin WL Stage #39 Pump down: 9 bpm at 6200 max psi using 79 bbls Set Purple Seal PS-3 at 13965'. PUH and perforate as follows: 13945' - 13943' (8), 13905' - 13903' (8), 13865' - 13863' (8), 13825' - 13823' (8), and 13785' - 13783' (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 @ 7:50. Inspected, plug set and all shots fired, dropped ball Good run, no adjustments. 8:16 Begin Frac Stage #39 OWH: 5175 psi Break at 8441 psi at 13.4 bpm Pump 2434 gals of 15% HCL - 10838 bbls (Clean) pumped ISIP: 5902 psi FG: 0.94 psi/ft 5 min: N/A psi MP: 11013 psi MR: 89 bpm AP: 9901.9 psi AR: 80.5 bpm MPC: 2 ppg Tot 100: 106180 lbs. Tot 40/70: 294560 lbs FR5 - 250 gal; SSI - 150 lbs; SI - 125 gal; Bio - 256 gal; Surf - 111 gal; FR18 - 84 gal 11:02 Frac Stage #39 Complete NPT Alamo (0.18 hrs) - Excessive PU/PT. Good stage all proppant pumped. 11:10 Begin WL Stage #40 Pump down: 9 bpm at 5350 max psi using 72 bbls Set Purple Seal PS-3 at 13764'. PUH and perforate as follows: 13744' - 13742' (8), 13704' - 13702' (8), 13664' - 13662' (8), 13624' - 13622' (8), and 13584' - 13582' (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 @ 12:46. Inspected, plug set and all shots fired, dropped ball Good run, no adjustments. 12:58 Begin Frac Stage #40 OWH: 5177 psi Break at 8530 psi at 13.8 bpm Pump 2434 gals of 15% HCL - 11023 bbls (Clean) pumped ISIP: 5857 psi FG: 0.94 psi/ft 5 min: N/A psi MP: 10606 psi MR: 92.58 bpm AP: 9946 psi AR: 83.4 bpm MPC: 2 ppg Tot 100: 105820 lbs. Tot 40/70: 294180 lbs FR5 - 230 gal; SSI - 150 lbs; SI - 121 gal; Bio - 244 gal; Surf - 134 gal; FR18 - 71 gal 15:40 Frac Stage #40 Complete Good stage all proppant pumped. 15:48 Begin WL Stage #41 Pump down: 9 bpm at 6100 max psi using 67 bbls Set Purple Seal PS-3 at 13567'. PUH and perforate as follows: 13543' - 13541' (8), 13503' - 13501' (8), 13463' - 13461' (8), 13423' - 13421' (8), and 13383' - 13381' (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 @ 20:05. Inspected, plug set and all shots fired, dropped ball Good run, plug moved down 4' to avoid collar. 17:29 Begin Frac Stage #41 OWH: 5139 psi Break at 8049 psi at 15 bpm Pump 2547 gals of 15% HCL - 10791 bbls (Clean) pumped ISIP: 5926 psi FG: 0.94 psi/ft 5 min: N/A psi MP: 11446 psi MR: 93.8 bpm AP: 10050 psi AR: 83 bpm MPC: 2 ppg Tot 100: 106100 lbs. Tot 40/70: 294120 lbs FR5 - 209 gal; SSI - 150 lbs; SI - 116 gal; Bio - 212 gal; Surf - 89 gal; FR18 - 104 gal 20:05 Frac Stage #41 Complete All proppant displaced into formation. Unable to achieve designed rate during 40/70 stages due to pump issues. 20:12 Begin WL Stage #42 Pump down: 10 bpm at 6461 max psi using 45 bbls Set Purple Seal PS-3 at 13362'. PUH and perforate as follows: 13342' - 13340' (8), 13302' - 13300' (8), 13262' - 13260' (8), 13222' - 13220' (8), and 13182' - 13180' (8) 2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes. POOH. RD WL @ 22:05. Inspected, plug set and all shots fired, dropped ball

No changes made. Good run

00:00 Frac Stage #42 during report time which began @ 22:17

Total NPT: (3.68 Hrs) - Alamo, 3.50 Hrs Continue Alamo pump maintenance from previous day. Alamo, 0.18 Hrs excessive PU/PT

Offset Wells:

Yesterday

Today

Tubing/Casing

Tubing/Casing

UNIV 20 4701

2680/4619

2840/4338

UNIV 20 4702

3350/3034

3400/3375

UNIV 35-20 2H

250/1100

160/1000

UNIV 38-20 2H

4350/3549

4350/3550

UNIV 36-20 1H

150/1277

150/1199

UNIV 48-20 1H

0/150

0/150

WL BHA Measurements:

Fishing Neck

2"

10" (.83')

CCL

2.75"

19" (1'7")

Weight Bar

2.75"

84" (7')

Current Activity :

Frac Operations

Next 24 hrs :

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	03:30	3.50	COMP	35- 030	Frac - Pump Maintenance	Yes		Continue Alamo pump maintenance from previous day.	
03:30	06:10	2.67	COMP	03	Frac Ops Pumping	No		Frac Stage # 38	
06:10	06:18	0.13	COMP	07	Handover	No		RD Frac RU WL	
06:18	07:50	1.53	COMP	06	WL Ops Frac	No		WL Stage # 39	
07:50	08:05	0.25	COMP	07	Handover	No		RD WL RU Frac	
08:05	08:16	0.18	COMP	35- 010	Frac - Frac Iron	Yes		Alamo excessive PU/ PT	
08:16	11:02	2.77	COMP	03	Frac Ops Pumping	No		Frac Stage # 39	
11:02	11:10	0.13	COMP	07	Handover	No		RD Frac RU WL	
11:10	12:46	1.60	COMP	06	WL Ops Frac	No		WL Stage # 40	
12:46	12:54	0.13	COMP	07	Handover	No		RD WL RU Frac	
12:54	15:40	2.77	COMP	03	Frac Ops Pumping	No		Frac Stage # 40	
15:40	15:48	0.13	COMP	07	Handover	No		RD Frac RU WL	
15:48	17:20	1.53	COMP	06	WL Ops Frac	No		WL Stage # 41	
17:20	17:29	0.15	COMP	07	Handover	No		RD WL RU Frac	
17:29	20:05	2.60	COMP	03	Frac Ops Pumping	No		Frac Stage # 41	
20:05	20:12	0.12	COMP	07	Handover	No		RD Frac RU WL	
20:12	22:05	1.88	COMP	06	WL Ops Frac	No		WL Stage # 42	
22:05	22:18	0.22	COMP	07	Handover	No		RD WL RU Frac	
22:18	00:00	1.70	COMP	03	Frac Ops Pumping	No		Frac Stage # 42	

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

Rig Information

Daily NPT Cost : 2109.37

Cum Rig Hours : 17132.91

Rigs For Today : Alamo

KB Elevation : 2768.00 ft

KB To GL : 0.00 ft

Safety

Last Sr Inspect :

Last BOP Test :

Accident Free Day : Yes

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	13	Daily Cost :	\$322,595
Report Date :	8/25/2018	Cost To Date :	\$3,383,954
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$9,042,468

Event Details			
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) :

Day Total : 0.0

To Date : 0.0

Hauled Out (bbl):

Day Total : 0.0

To Date : 0.0

Pumped (bbl):

Day Total : 0.0

To Date : 0.0

Recovered (bbl):

Day Total : 0.0

To Date : 0.0

Left To Recover (bbl):

Day Total : 0.0

To Date : 0.0

Surface Balance (bbl):

Day Total : 0.0

To Date : 0.0

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

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

Daily Completions/WO Report



Location Information

AREA	Permian
COST POOL	DB EEX CP
BUDGET AREA	EEX-Block 20
Well Name	UL 20 STRIPES 38-47 605H
Property Number	43STRIPES605
Prospect :	

Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809

Financials

Daily Cost :	\$469,872	Cost To Date :	\$3,853,826
AFE # :	PB18100006		
AFE :	\$10,772,650	AFE Cost to Date :	\$9,512,340

Report Information

Report # :	14	Report Date :	8/26/2018
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Well Information

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

GL :	2768.00	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 :		<div></div>		Finish :		<div></div>	
		Workover # :		<div></div>		Plugback :	
		0.00		<div></div>			
Tubing Config. :		<div></div>		Prod. Through :		<div></div>	
				Final Status :		<div></div>	

Daily Summary

Summary (last 24 hrs) :

UL 20 Stripes 38-47 605H
08/25/18 - 08/26/18 - Frac Ops Alamo
Laptop: PBDC46

Hold JSA / Safety meeting with all parties on location
22:17 Begin Frac Stage #42
OWH: 5328 psi Break at 7485 psi at 15 bpm
Pump 2547 gals of 15% HCL - 11134 bbls (Clean) pumped
ISIP: 5904 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 10993 psi MR: 84.1 bpm AP: 9663 psi AR: 81.2 bpm MPC: 2 ppg
Tot 100: 106040 lbs. Tot 40/70: 294500 lbs
FR5 - 228 gal; SSI - 150 lbs; SI - 124 gal; Bio - 216 gal; Surf - 133 gal; FR18 - 105 gal
1:00 Frac Stage #42 Complete
All proppant displaced into formation. Unable to achieve designed rate due to pump issues.
1:10 Begin WL Stage #43
Pump down: 10 bpm at 6180 max psi using 42 bbls
Set Purple Seal PS-3 at 13161'. PUH and perforate as follows:
13141' - 13139' (8), 13101' - 13099' (8), 13061' - 13059' (8), 13021' - 13019' (8), and 12981' - 12979' (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
No changes made. Good run
2:43 Begin Frac Stage #43
OWH: 5340 psi Break at 8699 psi at 15 bpm
Pump 2559 gals of 15% HCL - 10928 bbls (Clean) pumped
ISIP: 5895 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 11246 psi MR: 94.6 bpm AP: 10314.4 psi AR: 85.6 bpm MPC: 2 ppg
Tot 100: 106880 lbs. Tot 40/70: 294840 lbs
FR5 - 205 gal; SSI - 150 lbs; SI - 126 gal; Bio - 211 gal; Surf - 111 gal; FR18 - 79 gal
5:16 Frac Stage #43 Complete
Good stage all proppant pumped.
5:21 Begin WL Stage #44
Pump down: 9 bpm at 6210 max psi using 40 bbls
Set Purple Seal PS-3 at 12960'. PUH and perforate as follows:
12940' - 12938' (8), 12900' - 12898' (8), 12860' - 12858' (8), 12821' - 12819' (8), and 12782' - 12780' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 6:55. Inspected, plug set and all shots fired, dropped ball
Good run, shot 4 moved down 1' and shot 5 moved down 2' to avoid collars.
8:00 Begin Frac Stage #44
OWH: 5340 psi Break at 8231 psi at 11.5 bpm
Pump 2434 gals of 15% HCL - 10937 bbls (Clean) pumped
ISIP: 5914 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 10779 psi MR: 86.08 bpm AP: 9622.4697 psi AR: 81.4275 bpm MPC: 2 ppg
Tot 100: 107640 lbs. Tot 40/70: 292720 lbs
FR5 - 261 gal; SSI - 150 lbs; SI - 128 gal; Bio - 229 gal; Surf - 132 gal; FR18 - 93 gal
10:43 Frac Stage #44 Complete
NPT Alamo (0.83 hrs) - Changing out fluid end. PU/PT. Good stage due to losing 2 pumps during stage max rate was 86 bpm all proppant pumped.
10:51 Begin WL Stage #45
Pump down: 9 bpm at 6400 max psi using 41 bbls
Set Purple Seal PS-3 at 12759'. PUH and perforate as follows:
12742' - 12740' (8), 12702' - 12700' (8), 12656' - 12654' (8), 12617' - 12615' (8), and 12579' - 12577' (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 @ 12:23. Inspected, plug set and all shots fired, dropped ball
Good run shots 1 & 2 moved down 3'. Shot 3 moved up 3' & shot 2 moved up 2' to avoid collars.
12:38 Begin Frac Stage #45
OWH: 5292 psi Break at 7794 psi at 16 bpm
Pump 2621 gals of 15% HCL - 11253 bbls (Clean) pumped
ISIP: 5982 psi FG: 0.95 psi/ft 5 min: N/A psi
MP: 11126 psi MR: 96.66 bpm AP: 9995 psi AR: 89.2 bpm MPC: 2 ppg
Tot 100: 105760 lbs. Tot 40/70: 293600 lbs
FR5 - 234 gal; SSI - 150 lbs; SI - 129 gal; Bio - 260 gal; Surf - 132 gal; FR18 - 97 gal
15:31 Frac Stage #45 Complete
NPT Alamo (0.22 hrs) Lost suction pressure during pad had to SD to troubleshoot. Stage complete all proppant pumped.
15:42 Begin WL Stage #46
Pump down: 9 bpm at 6180 max psi using 34 bbls
Set Purple Seal PS-3 at 12558'. PUH and perforate as follows:
12538' - 12536' (8), 12498' - 12496' (8), 12458' - 12456' (8), 12418' - 12416' (8), and 12378' - 12376' (8)
2.75in OD gun, 15 gram RDXIS CHGS, EHD=0.4, 60-deg phasing. Shot 4 spf for a total of 40 holes.
POOH. RD WL @ 17:04. Inspected, plug set and all shots fired, dropped ball
No changes made. Good run.

17:16 Begin Frac Stage #46
OWH: 5225 psi Break at 8498 psi at 15 bpm
Pump 2608 gals of 15% HCL - 10915 bbls (Clean) pumped
ISIP: 5806 psi FG: 0.93 psi/ft 5 min: N/A psi
MP: 10991 psi MR: 99.5 bpm AP: 10232 psi AR: 91.5 bpm MPC: 2 ppg
Tot 100: 106120 lbs. Tot 40/70: 294380 lbs
FR5 - 270 gal; SSI - 150 lbs; SI - 86 gal; Bio - 230 gal; Surf - 88 gal; FR18 - 99 gal
19:40 Frac Stage #46 Complete
All sand displaced per design.
19:50 Begin WL Stage #47
Pump down: 8 bpm at 6432 max psi using 18 bbls
Set Purple Seal PS-3 at 12357'. PUH and perforate as follows:
12337' - 12335' (8), 12297' - 12295' (8), 12257' - 12255' (8), 12217' - 12215' (8), and 12177' - 12175' (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 @ 21:07. Inspected, plug set and all shots fired, dropped ball
No changes made. Good run.
21:14 Begin Frac Stage #47
OWH: 5212 psi Break at 9496 psi at 15 bpm
Pump 2547 gals of 15% HCL - 10838 bbls (Clean) pumped
ISIP: 5952 psi FG: 0.94 psi/ft 5 min: N/A psi
MP: 10822 psi MR: 99.1 bpm AP: 9909 psi AR: 92.8 bpm MPC: 2 ppg
Tot 100: 105580 lbs. Tot 40/70: 294620 lbs
FR5 - 219 gal; SSI - 150 lbs; SI - 109 gal; Bio - 235 gal; Surf - 109 gal; FR18 - 86 gal
23:32 Frac Stage #47 Complete
All proppant displaced per design.
00:00 WL Stage #48 during report time.
Total NPT: 1.05 Hrs - (Alamo) 0.83 Hrs, Changing out fluid end. PU/PT. 0.22 Hrs, Blender lost suction pressure

Offset Wells:	Yesterday	Today
	Tubing/Casing	Tubing/Casing
UNIV 20 4701	2840/4338	2790/3966
UNIV 20 4702	3400/3375	3900/3938
UNIV 35-20 2H	160/1000	160/1100
UNIV 38-20 2H	4350/3550	4375/3583
UNIV 36-20 1H	150/1199	176/1215
UNIV 48-20 1H	0/150	0/175

WL BHA Measurements:		
Fishing Neck	2"	10" (.83')
CCL	2.75"	19" (1'7")
Weight Bar	2.75"	84" (7')
Release Tool	2.78"	2.54

Current Activity :
Frac Operations

Next 24 hrs :
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	01:00	1.00	COMP	03	Frac Ops Pumping	No	Continue & Complete Frac Stage # 42
01:00	01:10	0.17	COMP	07	Handover	No	RD Frac RU WL
01:10	02:30	1.33	COMP	06	WL Ops Frac	No	WL Stage # 43
02:30	02:43	0.22	COMP	07	Handover	No	RD WL RU Frac
02:43	05:16	2.55	COMP	03	Frac Ops Pumping	No	Frac Stage # 43
05:16	05:21	0.08	COMP	07	Handover	No	RD Frac RU WL
05:21	06:55	1.57	COMP	06	WL Ops Frac	No	WL Stage # 44
06:55	07:10	0.25	COMP	07	Handover	No	RD WL RU Frac
07:10	08:00	0.83	COMP	35- 030	Frac - Pump Maintenance	Yes	Alamo - Changing out fluid end. PU/ PT
08:00	10:44	2.73	COMP	03	Frac Ops Pumping	No	Frac Stage # 44
10:44	10:51	0.12	COMP	07	Handover	No	RD Frac RU WL
10:51	12:23	1.53	COMP	06	WL Ops Frac	No	WL Stage # 45
12:23	12:38	0.25	COMP	07	Handover	No	RD WL RU Frac
12:38	13:09	0.52	COMP	03	Frac Ops Pumping	No	Frac Stage # 45
13:09	13:22	0.22	COMP	35- 020	Frac - Blender Side	Yes	Alamo - Blender lost suction pressure
13:22	15:33	2.18	COMP	03	Frac Ops Pumping	No	(Resume) Frac Stage # 45
15:33	15:42	0.15	COMP	07	Handover	No	RD Frac RU WL
15:42	17:04	1.37	COMP	06	WL Ops Frac	No	WL Stage # 46
17:04	17:16	0.20	COMP	07	Handover	No	RD WL RU Frac
17:16	19:40	2.40	COMP	03	Frac Ops Pumping	No	Frac Stage # 46

19:40	19:50	0.17	COMP	07	Handover	No	RD Frac RU WL
19:50	21:07	1.28	COMP	06	WL Ops Frac	No	WL Stage # 47
21:07	21:14	0.12	COMP	07	Handover	No	RD WL RU Frac
21:14	23:32	2.30	COMP	03	Frac Ops Pumping	No	Frac Stage # 47
23:32	23:45	0.22	COMP	07	Handover	No	RD Frac RU WL
23:45	00:00	0.25	COMP	06	WL Ops Frac	No	WL Stage # 48

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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	14	Daily Cost :	\$469,872
Report Date :	8/26/2018	Cost To Date :	\$3,853,826
		AFE # :	PB18100006
		AFE :	\$10,772,650
		AFE Cost to Date :	\$9,512,340

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 605H
Property Number	43STRIPES605
Prospect :	

Bottom Hole Targets

UWM	API / License #
Sec 47, Blk 20, 200' FSEL & 1254' FNEL	4249533809

Financials

Daily Cost :	\$92,147	Cost To Date :	\$3,953,893
AFE # :	PB18100006		
AFE :	\$10,772,650	AFE Cost to Date :	\$9,612,408

Report Information

Report # :	15	Report Date :	8/27/2018
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Well Information

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

GL :	2768.00	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 605H
08/26/18 - 08/27/18 - Frac Ops Alamo
Laptop: PBDC46

Hold JSA / Safety meeting with all parties on location
23:45 Begin WL Stage #48
Pump down: 8 bpm at 7764 max psi using 11 bbls
Set Purple Seal PS-3 at 12156'. PUH and perforate as follows:
12136' - 12134' (8), 12096' - 12094' (8), 12056' - 12054' (8), 12016' - 12014' (8), and 11976' - 11974' (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 @ 1:00. Inspected, plug set and all shots fired, dropped ball
1:08 Begin Frac Stage #48
OWH: 5279 psi Break at 8483 psi at 15 bpm
Pump 2547 gals of 15% HCL - 11136 bbls (Clean) pumped
ISIP: 5743 psi FG: 0.93 psi/ft 5 min: N/A psi
MP: 11421 psi MR: 96 bpm AP: 9837 psi AR: 93 bpm MPC: 2 ppg
Tot 100: 105140 lbs. Tot 40/70: 301400 lbs
FR5 - 226 gal; SSI - 150 lbs; SI - 110 gal; Bio - 283 gal; Surf - 129 gal; FR18 - 88 gal
3:32 Frac Stage #48 Complete
All proppant displaced per design.
03:32 RDMO Frac and associated equipment

Current Activity :

Frac Ops, RDMO

Next 24 hrs :

RDMO

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	01:00	1.00	COMP	06	WL Ops Frac	No	Continue & complete WL Stage # 48
01:00	01:08	0.13	COMP	07	Handover	No	RD WL RU Frac
01:08	03:32	2.40	COMP	03	Frac Ops Pumping	No	Frac Stage # 48
03:32	00:00	20.47	COMP	01	MIRU/ RDMO	No	RDMO Frac and associated equipment. Well secured

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 :	17734.77	
Rigs For Today :	Alamo	
KB Elevation :	2768.00	ft
KB To GL :	0.00	ft

Safety

Last Sr Inspect :	
Last BOP Test :	
Accident Free Day :	Yes
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' FNEL	4249533809
BUDGET AREA	EEX-Block 20		
Well Name	UL 20 STRIPES 38-47 605H		
Property Number	43STRIPES605		
Prospect :			
Report Information		Financials	
Report # :	15	Daily Cost :	\$92,147
Report Date :	8/27/2018	Cost To Date :	\$3,953,893
		A/E # :	PB18100006
		A/E :	\$10,772,650
		A/E Cost to Date :	\$9,612,408

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 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