

EP WELLS DAILY OPERATIONS REPORT

Report 5

10/04/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	5.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	James Steele, Morgab Davis	Measured Depth(ft)	
Engineer	Jordan Sawyer	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	
Rig Zero Rate(hr)	0.00	Next Casing MD	
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Rig Special Rate(hr)	0.00	Lithology	
Auxiliary/Secondary Work(hr)	0.00	Formation	
NX Auxiliary Floor Not Available(hr)	0.00	Formation top MD	
Actual cost to date/AFE	54,758/4,007,000.00	Daily NPT(hr/%)	0/0
Actual divided by AFE	0.01	Days Ahd(-) Bhnd(+)(50/50)	
Daily Cost	54,758		

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	4

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

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10/04/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	20.00	COIL	OPO			0		WAIT ON OTHER PAD OPERATIONS
20:00	1.33	COIL	RGU			0		RIG UP COIL TUBING
21:20	0.42	COIL	RGU			0		PAUSE ask 9 questions for safe pressure test, break circulation, pressure test 1000 low 8K high. good test Bleed off.
21:45	1.92	COIL	CTR			0		RIH to jet cut perforations, at liner top kick on pumps and roll hole, going through curve
23:40	0.32	COIL	CTR			0		at liner top, 11,200' pick up weight is 39K bring pumps on at a rollover to go through liner top and into curve.
Total	23.98							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.33	COIL	RGU			0	at liner top, 11,200' pick up weight is 39K bring pumps on at a rollover to go through liner top and into curve.
0:20		COIL	RGU			0	

EP WELLS DAILY OPERATIONS REPORT

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10/05/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	6.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	JAMES STEELE, MORGAN DAVIS	Measured Depth(ft)	
Engineer	Jordan Sawyer	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	
Rig Zero Rate(hr)	0.00	Next Casing MD	
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Rig Special Rate(hr)	0.00	Lithology	
Auxiliary/Secondary Work(hr)	0.00	Formation	
NX Auxiliary Floor Not Available(hr)	0.00	Formation top MD	
Actual cost to date/AFE	188,022/4,007,000.00	Daily NPT(hr/%)	0/0
Actual divided by AFE	0.05	Days Ahd(-) Bhnd(+)(50/50)	
Daily Cost	102,258		

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	5

Operations Summary

24 Hour Summary
wait on other well activities
Update Since Report Time
rig up pressure test
24 Hour Forecast
RIH and jet cut casing, RDMO 2-3/8" coil

EP WELLS DAILY OPERATIONS REPORT

Report 6

10/05/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.33	COIL	CTR			0		at liner top, 11,200' pick up weight is 39K bring pumps on at a rollover to go through liner top and into curve.
0:20	5.17	COIL	CTR			0		increase pump rate to 3 BPM @ 16,000' to make TD
5:30	3.33	COIL	CTR			0		Tag TD with 6K down @ 19,843' PBTD on casing tally is 19,8860' NOTE: 16' high from casing tally pull out stretch at 19,820' coil tubing depth. Drop 9/16" ball to activate jet cutter jet holes as per procedure. pick up 10' to perf#1= 19,10' CTM perf#2 =19,805 CTM perf #3= 19,800 CTM perf #4 = 19,795 CTM
8:50	1.67	COIL	CTR			0		TRIED TO WASH DOWN COIL WOULD NOT GO DOWN HOLE ESTABLISHED INJECTION RATE 1.5 BPM 6576PSI PUMPED 13 BBLS OF ACID PUPING 2 BPM PRESSURE WENT FROM 7200 PSI TO 5568 PSI
10:30	5.17	COIL	PCT			0		POOH
15:40	2.83	COIL	PCT			0		RIG DOWN TTS TOOLS BLEW COIL DRY RIG DOWN COIL UNIT
18:30	0.33	COIL	RGO			0		CREW CHANGE SAFETY MEETNIG REVIEW JSA'S AND OPEN CRANE PERMIT. DISCUSS RIG OUT AND RIG IN OF COIL UNITS.
18:50	5.15	COIL	RGO			0		INSTALL NIGHT CAP AND RIG OUT 2-3/8" COIL UNIT. SPOT 2" UNIT AND RUN TEMP IRON. PREPARE FOR FRAC, SPOT CONTAINMENTS AND START LOADING SAND CHIEFS. START SPOTTING FRAC EQUIPMENT
Total	23.98							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:01	6.48	COIL	RGU			0	PREPARE FOR FRAC, SPOT CONTAINMENTS AND START LOADING SAND CHIEFS. START SPOTTING FRAC EQUIPMENT

EP WELLS DAILY OPERATIONS REPORT

Report 7

10/06/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	7.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Adam Plank / Scott Wallace / Dave Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Joe Grimes / Jeff Pontell	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Rig Operating Rate(hr)	0.00	Last Casing MD	
Rig Zero Rate(hr)	0.00	Next Casing MD	
Rig Reduced Rate(hr)	0.00	Current Fluid Density(ppg)	
Rig Repair Rate(hr)	0.00	LOT/FIT EMW(ppg)	
Rig Special Rate(hr)	0.00	Lithology	
Auxiliary/Secondary Work(hr)	0.00	Formation	
NX Auxiliary Floor Not Available(hr)	0.00	Formation top MD	
Actual cost to date/AFE	211,285/4,007,000.00	Daily NPT(hr/%)	5.00/26.34
Actual divided by AFE	0.05	Days Ahd(-) Bhnd(+)(50/50)	
Daily Cost	13,445		

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	6

Operations Summary

24 Hour Summary
JET CUT CASING AT TOE
Update Since Report Time
RIG DOWN 2-3/8" COIL RIG UP FRAC AND 2" COIL FOR FRAC
24 Hour Forecast
RIG UP FOR FRAC

EP WELLS DAILY OPERATIONS REPORT

Report 7

10/06/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:01	6.48	COIL	RGU			0		PREPARE FOR FRAC, SPOT CONTAINMENTS AND START LOADING SAND CHIEFS. START SPOTTING FRAC EQUIPMENT
6:30	4.50	COIL	RGU			0		Conduct safety meeting. Continue rigging up for coil frac. Spot pumps. Remove cap from wellhead, prepare to nipple up BOPs.
11:00	5.00	COIL	RGU			1		*** START NPT (LEGEND)*** BOPs did not have the required certification record for the shear rams and blind shear rams. Testing must be conducted at a shop facility, requiring the coil unit to be rigged down and taken in to the yard. Rigged down CT and moved off. Legend initially stated that testing could be completed within the same day, so operations were waiting on the testing to be complete and CT to be rigged back up. By 1600 hrs Legend told Shell OSRs that the testing would take 3-4 days to complete due to not having tubing to test on.
16:00	3.00	COIL	OPO			0		Waiting on other pad operations. Decision was made to switch focus to the 4H plug and perf well while waiting on CT.
Total	18.98							

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
10/06/2016 11:00	LEGEND ENERGY SERVICES LLC	BOP & Pressure Control Equipment		RGU	N		5.00	5.00	2	OPEN
Description: BOP DID NOT HAVE CERT.						Title: BOP				
							Total	5.00	5.00	

EP WELLS DAILY OPERATIONS REPORT

Report 8

10/07/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	8.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Adam Plank / Scott Wallace / Dave Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Joe Grimes / Jeff Pontell	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Formation top MD		Last Casing MD	
Daily NPT(hr/%)	0/0	Next Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Current Fluid Density(ppg)	
Actual cost to date/AFE	209,682/4,007,000.00	LOT/FIT EMW(ppg)	
Actual divided by AFE	0.05	Lithology	
Daily Cost	721	Formation	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	7

Operations Summary

24 Hour Summary
Wait on 4H frac
Update Since Report Time
Wait on 4H frac
24 Hour Forecast
Wait on 4H frac

EP WELLS DAILY OPERATIONS REPORT

Report 8 10/07/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	COIL	OPO			0		Wait on 4H frac.
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 9

10/15/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	9.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Matt Jentsch / Eric Huls	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Warren Horton	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Formation top MD		Last Casing MD	
Daily NPT(hr/%)	12.00/50.00	Next Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Current Fluid Density(ppg)	
Actual cost to date/AFE	231,400/4,007,000.00	LOT/FIT EMW(ppg)	
Actual divided by AFE	0.06	Lithology	
Daily Cost	21,718	Formation	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	

Safety Comments:

Personnel: 40
 Man hours: 442
 Drive hours: 42
 SSE's: 0
 JSA's: 4
 Drills: 0
 Stop cards: 0
 HEROS: 0
 Incidents: 0
 Inspections:

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	4
Last BOP function test			Days Since Last Drill	8
Last BOP Test				
Next BOP Test				

Operations Summary

24 Hour Summary
RU frac risers, preform pump maintenance
Update Since Report Time
Wait on coil
24 Hour Forecast
RU coil for NCS frac

EP WELLS DAILY OPERATIONS REPORT

Report 9

10/15/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.00	FRAC	FRP			0		RU frac risers on well. Preform pump maintenance. Pull out the down hole blender due to flow meter issues.
3:00	9.00	FRAC	FRP			0		Wait on replacement blender, restraints for risers, and coil equipment.
12:00	12.00	FRAC	FRP			1		***Begin NPT. Cudd Coil tubing (WOE).*** Waiting on arrival of coiled tubing unit and related equipment.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		FRAC	FRP			1	***Continue NPT on Cudd Coil tubing (WOE).*** Waiting on coil tubing unit.

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
10/15/2016 12:00	CUDD PUMPING SERVICES INC	Wait On Equipment		FRP	N		0.00	0.00		OPEN
Description: Waiting on arrival of coiled tubing unit and related equipment.						Title: WOE				
							Total	0.00	0.00	

EP WELLS DAILY OPERATIONS REPORT

Report 11

10/17/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	11.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Matt Jentsch / Eric Huls	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Warren Horton	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Formation top MD		Last Casing MD	
Daily NPT(hr/%)	0/0	Next Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Current Fluid Density(ppg)	
Actual cost to date/AFE	390,154/4,007,000.00	LOT/FIT EMW(ppg)	
Actual divided by AFE	0.10	Lithology	
Daily Cost	141,796	Formation	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC			PSI			TRCF	
RWC			NII			LWCF	
MTC			HPI			Safety Cards - Safe	
FAC			GOAL ZERO DAYS			Safety Card - Unsafe	
Last casing pressure test			PS BARRIER EVENT			SSE%	
			PS barrier bowtie review			Last casing pressure(psi)	

Safety Comments:

Personnel: 68
 Man hours: 570
 Drive hours: 73
 SSE's: 1
 JSA's: 14
 Drills: 0
 Stop cards: 0
 HEROS: 0
 Incidents: 0
 Inspections:

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	
Last BOP function test			Days Since Last Drill	10
Last BOP Test				
Next BOP Test				

Operations Summary

24 Hour Summary
RU coil. Preform casing test. RD frac operation
Update Since Report Time
Casing test failed
24 Hour Forecast
No activity

EP WELLS DAILY OPERATIONS REPORT

Report 11

10/17/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.17	COIL	CHB			0		NU lubricator
0:10	0.17	COIL	CHB			0		Pressure test lubricator to 9500 psi.
0:20	0.97	FRAC	FRP			0		Hand over to frac. prime up and pressure test.
1:18	0.50	FRAC	FRT			0		Open well with 5080 psi. bring rate up to 33 bpm at 8700 psi. Pump 30 bbl gel swweep, 30 bbl spacer, and 2nd 30 bbl gel swweep. Chase swweeps to end of csg with 560 bbls.
1:48	0.17	COIL	CTR			0		Handover to coil. Prime up pump and equalize to 5250 psi.
1:58	1.78	COIL	CTR			0		Open well with 5351 psi. RIH at 100 fpm with the following NCS BHA: 2.0" Coil Connector - 2.875 X .77' Crossover - 2.87" X .27' Hydraulic Disconnect - 2.87" X 1.42' Crossover - 2.87" X .33' TeleDrill Agitator - 2.87" X 9.60' Crossover - 2.87" X .27' 4.5" Jet Sub - 2.87" X .71' EQ Valve w/Ball Check - 3.06" X 1.77' 4.5" 1 Dot Slip Packer - 3.83" X 2.46' 4.5" 1 Dot Vulcan MSL - 3.75" X 2.30' Flow Crossover - 3.06" X .42' Recorder Sub - 3.00" X .48' Decompression Chamber - 3.06" X 1.67' Crossover - 3.06" X 1.69' 4.5" Bullnose Assembly - 3.83" X 1.12' Total length of BHA = 25.20'
3:45	0.20	COIL	CTR			0		At 11213' CTM. Preform weight check. Pick up wt = 15,000. Continue to RIH to 11315'. Attempt to set tool. Tool won't set. Continue to RIH.
3:57	0.10	COIL	CTR			0		At 11353'. Set tool and see pressure increase. Cycle tool and POOH to 11230'. Cycle tool into set mode. RIH.
4:03	0.45	COIL	CTR			0		Tool sets at 11354' and builds pressure. Cycle tool into run position and continue to RIH to 12491'.
4:30	0.37	COIL	CTR			0		At 12,491'. POOH to locate sleeves. Locate sleeves at: 12,413' 12,307' 12,211' Continue to POOH to 12,093'.
4:52	0.22	COIL	CTR			0		At 12,093'. Cycle tool into run position. RIH to 12,546'.
5:05	0.52	COIL	CTR			0		At 12,546'. POOH to locate sleeves. Locate sleeves at: 12,516' 12,413' 12,307' 12,209' Continue to POOH to 12109'.
5:36	0.15	COIL	CTR			0		At 12,109'. Cycle tool into run position. RIH to locate sleeve at 12209'.
5:45	1.50	COIL	CTR			0		Locate sleeve at 12,210'. Stop and reset coil depth counter to 12,162' to correlate to prog depth for sleeve #76. Continue to RIH to 16070'.
7:15	0.40	COIL				0		Stop at 16070' CTM. Pick up and locate sleeve #38 at 16044' CTM. Pick up to 16009 and set NCS packer. Attempt to test casing at 6000 psi. Pressure test fail losing approximately 90 psi per minute. Pick up and reset packer and test again with the same results. Call Houston to discuss.
7:39	0.22	COIL				0		Pick up through 5 sleeves (39-43) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
7:52	0.23	COIL				0		Set packer at 15491' CTM. Increase wellhead pressure to 6000 psi by pumping down the CT. Shut down pump and pressure test. Test failed after losing approximately 70 psi per minute for 4 minutes.
8:06	0.23	COIL				0		Pick up through 5 sleeves (44-48) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
8:20	0.17	COIL				0		Set packer at 14980' CTM. Increase wellhead pressure to 6000 psi by pumping down the CT. Shut down pump and pressure test. Test failed

EP WELLS DAILY OPERATIONS REPORT

Report 11

10/17/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								after loosing approximately 90 psi per minute for 4 minutes.
8:30	0.32	COIL				0		Pick up through 5 sleeves (49-53) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
8:49	0.17	COIL				0		Set packer at 14485' CTM. Increase wellhead pressure to 6050 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 75 psi per minute for 4 minutes.
8:59	0.32	COIL				0		Pick up through 5 sleeves (54-58) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
9:18	0.13	COIL				0		Set packer at 13979' CTM. Increase wellhead pressure to 6070 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 75 psi per minute for 5 minutes.
9:26	0.32	COIL				0		Pick up through 5 sleeves (59-63) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
9:45	0.13	COIL				0		Set packer at 13450' CTM. Increase wellhead pressure to 6075 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 75 psi per minute for 5 minutes.
9:53	0.20	COIL				0		Pick up through 5 sleeves (64-68) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
10:05	0.17	COIL				0		Set packer at 12940' CTM. Increase wellhead pressure to 6060 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 75 psi per minute for 5 minutes.
10:15	0.75	COIL				0		*****Start NPT on Cudd CT. Change out Pawl Bearing *****End NPT on Cudd CT
11:00	0.27	COIL				0		Pick up through 5 sleeves (69-73) and test casing. PU weight 25k lbs. All 5 sleeves located within 5 ft of expected depths with 10k overpull.
11:16	0.12	COIL				0		Set packer at 12437' CTM. Increase wellhead pressure to 6110 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 30 psi per minute for 5 minutes.
11:23	0.30	COIL				0		Pick up through 3 sleeves (74-76) at 20 fpm. No indication from sleeve 74 or 75. Saw sleeve 76 with only 3k overpull. Stop and mark the pipe at sleeve 76 (12160'). Continue picking up to 12120'.
11:41	0.25	COIL				0		Set packer at 12120' CTM. Increase wellhead pressure to 6125 psi by pumping down the CT. Shut down pump and pressure test. Good test.
11:56	0.27	COIL				0		RIH to 12300' CTM and set packer. Increase wellhead pressure to 6130 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 30 psi per minute for 5 minutes.
12:12	0.18	COIL				0		PU to 12229' CTM and set packer. Increase wellhead pressure to 6117 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 28 psi per minute for 5 minutes.
12:23	0.20	COIL				0		PU to 12190' CTM and set packer. Increase wellhead pressure to 6055 psi by pumping down the CT. Shut down pump and pressure test. Test failed after loosing approximately 21 psi per minute for 5 minutes.
12:35	0.33	COIL	NOA			0		Discuss path forward with Houston.
12:55	2.42	COIL	PCT			0		POOH with CT.
15:20	0.17	COIL	PCT			0		BU, SIW, Bleed off lube.
15:30	0.17	COIL	NOA			0		Hold pause and discuss CT and Frac RD ops with crews. Decision made to RD all vendors and equipment until plan forward can be decided.
15:40	2.33	COIL	RGO			0		Begin to RD Cudd 2" CTU and Keane frac spread.
18:00	2.00	COIL	RGO			0		N2 blow down reel
20:00	1.00	COIL	RGO			0		ND injector and BOP's
21:00	0.50	COIL	RGO			0		Install night cap.
21:30	2.50	FRAC	ROF			0		Remove frac risers, finish rigging down and cleaning up location.

EP WELLS DAILY OPERATIONS REPORT

Report 11 10/17/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Total 24.00

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
10/17/2016 10:15	CUDD PUMPING SERVICES INC	Install Completion			EN	Coil Tubing Downhole Equipment	0.75	0.75		OPEN
Description: Change out Pawl Bearing						Title: Change out Pawl Bearing				
Total							0.75	0.75		

EP WELLS DAILY OPERATIONS REPORT

Report 14

11/23/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	14.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Carl Hodges	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	5.33/22.24	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	465,883/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.12	LOT/FIT EMW(ppg)	
Daily Cost	48,394	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
Man Hrs: 280							
Drive Hrs: 32							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	13

Operations Summary

24 Hour Summary
RIH mill composite plug
Update Since Report Time
POOH with parted coil
24 Hour Forecast
Stand by

EP WELLS DAILY OPERATIONS REPORT

Report 14

11/23/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	1.50	COIL	CHB			1		****CONTINUE NPT*** waiting on a water transfer crew before RIH.
1:30	0.75	COIL	CHB			0		***NPT STOP*** Emerald on location. Rig up transfer equipment.
2:15	1.25	COIL	CHB			0		Check WHP-0 psi on well. Open well RIH. Pump .5 IN/OUT WHP-600 psi, PP-900 psi.
3:30	1.75	COIL	CHB			0		Depth 9500' CTM CT= 3066 psi WHP=2600 psi .5bpm IN/OUT FR @ .25 gpt
5:15	0.08	COIL	CHB			0		Tag plug @ 13823' CTM CT= 7200 psi WHP= 5200 psi 2.5 bpm IN/OUT FR @ .25 gpt Drilled plug 5 min.
5:20	3.83	COIL	CHB			1		****NPT START CUDD**** One side of the CT pump down. POOH to vertical and wait on back up pump. 0845 Pump AOL and switching out
9:10	2.58	COIL	CHB			0		***NPT STOP*** RIH to push milled plug debris to bottom at 40 ft/min while pumping 3.5 bpm
11:45	0.50	COIL	CHB			0		Tagged bottom at 19867' CTM. Pumped sweep and waiting for sweep to get 10 bbl ahead of coil.
12:15	4.22	COIL	CHB			0		POOH at 35 ft/min while pumping 3.5 bpm
16:28	1.28	COIL	CHB			0		Clear LT at 11,272'. Continue POOH at 100 ft/min and 3.5 bpm to stay behind the sweep.
17:45	5.25	COIL	CHB			0		Coil Parted on reel stopped POOH. verify BPV holding SI BOPs 3-4 contact field sup and engineering discuss plan forward. Discuss Bowtie with crews. Email bowties to sups and discuss options
23:00	0.83	COIL	CHB			0		Desision made POOH dial down real tension 1600psi POOH covering parted pipe
23:50	0.15	COIL	CHB			0		BU SI UMW,LMV bleed off WH PAUSE
Total	23.98							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:01	0.32	COIL	CHB			0	PAUSE Discuss RD
0:20	3.17	COIL	CHB			0	RDMO CTU

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
11/23/2016 05:20	CUDD PUMPING SERVICES INC	Install Completion		CHB	EN	Coil Tubing Surface Equipment	3.83	3.83	1	OPEN
Description: 1/2 OF CT PUMP IS DOWN. POOH OF HOLE TO VERTICLE SECTION AND WAIT ON NEW PUMP						Title: CT DOWN				
Total							3.83	3.83		

EP WELLS DAILY OPERATIONS REPORT

Report 15

11/24/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	15.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Carl Hodges	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	475,424/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.12	LOT/FIT EMW(ppg)	
Daily Cost	9,541	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	14

Operations Summary

24 Hour Summary
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 15 11/24/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary								
Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:01	0.32	COIL	CHB			0		PAUSE Discuss RD
0:20	3.17	COIL	CHB			0		RDMO CTU
Total	3.48							

EP WELLS DAILY OPERATIONS REPORT

Report 16

12/02/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	16.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Morgan Davis	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	5.00/20.83	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	489,429/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.12	LOT/FIT EMW(ppg)	
Daily Cost	14,005	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
DRIVING HRS 68							
MAN HRS 60							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	15

Operations Summary

24 Hour Summary
No activity
Update Since Report Time
Waiting on CT
24 Hour Forecast
MIRU CT Unit

EP WELLS DAILY OPERATIONS REPORT

Report 16

12/02/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	15.00	COIL	NOA			0		Stand by CTU
15:00	5.00	COIL	NOA			1		***NPT Keane CTU*** Crews arrived waiting on CT unit to arrive.
20:00	0.33	COIL	NOA			0		4300 PSI WHP SAFETY MEEETING RIG UP BOP'S STILL WAITING ON COIL
20:20	3.08	COIL	NOA			0		SPOT CRANE AND RIG UP BOP'S
23:25	0.58	COIL	NOA			0		WAIT ON COIL UNIT
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.33	COIL	NOA			0	WAIT ON COIL UNIT
0:20	0.50	COIL	NOA			0	***END NPT COIL SAFETY MEETING
0:50	1.50	COIL	NOA			0	PUT DOWN SPILL CONTAINMENT SPOT TRUCKS
2:20	0.17	COIL	NOA			0	SAFETY PAUSE
2:30	2.33	COIL	NOA			0	RIG UP COIL
4:50		COIL	NOA			0	CUT 2' OF COIL OFF PUT ON DIMPLE CONNECTOR

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
12/02/2016 15:00	KEANE FRAC LP	Wait On Equipment		NOA	N		5.00	5.00	1	OPEN
Description: WAITING ON COIL						Title: WOE				
							Total	5.00	5.00	

EP WELLS DAILY OPERATIONS REPORT

Report 17

12/03/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	17.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis / Scott Wallace	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Morgan Davis	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	2.97/12.36	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	543,894/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.14	LOT/FIT EMW(ppg)	
Daily Cost	54,465	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HRS 270 DRIVING HRS 90							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	16

Operations Summary

24 Hour Summary
RIG UP COIL ATTEMPT TO RUN BRIDGE PLUG
Update Since Report Time
24 Hour Forecast
RUN CALIPER LOG

EP WELLS DAILY OPERATIONS REPORT

Report 17

12/03/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.33	COIL	NOA			1		WAIT ON COIL UNIT
0:20	0.50	COIL	NOA			0		***END NPT COIL SAFETY MEETING
0:50	1.50	COIL	NOA			0		PUT DOWN SPILL CONTAINMENT SPOT TRUCKS
2:20	0.17	COIL	NOA			0		SAFETY PAUSE
2:30	2.33	COIL	NOA			0		RIG UP COIL
4:50	0.83	COIL	NOA			0		CUT 2' OF COIL OFF PUT ON DIMPLE CONNECTOR PULL TEST 30,000 LBS
5:40	0.58	COIL	NOA			0		RIG UP PUMP IRON & RESTRAINTS
6:15	0.75	COIL	NOA			0		LOAD REAL
7:00	0.50	COIL	SAF			0		PJSM Held with day shift
7:30	0.75	COIL	RGU			0		Pressure test CT connector 3000psi
8:15	1.50	COIL	BOP			0		Pressure test BOPs Blinds and Pipes 300psi low 5 min and 9000psi 10 min. Drift BHA 5/8 set plug and 3/4/ disconnect
9:45	0.62	COIL	CTB			0		Break lube and install BHA
10:22	2.63	COIL	NOA			1		***NPT Baker DS*** Installed plug and damaged when pulled into lube and sleeve caught on lube stroking plug.
13:00	0.42	COIL	CTB			0		***End NPT Baker*** Install plug and stab onto stack
13:25	0.58	COIL	BOP			0		Pressure test stack 8000psi
14:00	2.25	COIL	CTR			0		RIH CT with Baker type 1AA CIBP
16:15	1.75	COIL	CTR			0		Weight check @ 11000ft at 23000 lbs. RIH 35ft/min in the build section and 60ft/min. stacked out at 12370. Picked up and went thru at 10ft/min. Stacked out 12860. Picked up and went thru. Stacked out 14511 four times. Increased rate to 2 BPM. could not get thru. Depth correlates to sleeve. Called in to office
18:00	1.00	COIL	CTR			0		Wait on decision from office
19:00	2.67	COIL	CTR			0		POOH CT with plug.
21:40	0.33	COIL	CTR			0		OUT OF HOLE BREAK PLUG & SETTING TOOLS OFF
22:00	0.33	COIL	CTR			0		SAFETY MEETING
22:20	1.67	COIL	CTR			0		CALLIBRATE EXPRO CALLIPER TOOLS
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.38	COIL	CTR			0	CALLIBRATE EXPRO CALLIPER TOOLS
0:23	0.78	COIL	CTR			0	PUT CALIPER TOOLS ON END OF COIL
1:10	0.47	COIL	CTR			0	PRESSURE TEST 9000 PSI FOR 5 MIN
1:38	3.28	COIL	CTR			0	OPEN WELL HEAD RIH
4:55	0.33	COIL	CTR			0	TAGGED UP AT 14,540' CHANGED PUMP RATE FROM .5 BPM TO 2 BPM TAGGED SAME SPOT 4 TIMES
5:15		COIL	CTR			0	CALL ENGINEER TO VERIFY PLAN FORWARD GOING TO LOG OUT OF HOLE

EP WELLS DAILY OPERATIONS REPORT

Report 17 12/03/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
12/03/2016 10:22	BAKER OIL TOOLS	Perforation		NOA	EN	Elect W/line Perforating Equip	2.63	2.63	1	OPEN
Description: PLUG DAMMAGED PULLING UP INTO THE LUBE. SETTING SLEEVE CAUGHT AND PREMATURELY STROKED THE PLUG						Title: PLUG DAMAGED				
Total							2.63	2.63		

EP WELLS DAILY OPERATIONS REPORT

Report 19

12/05/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	19.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Morgan Davis	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	582,647/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.15	LOT/FIT EMW(ppg)	
Daily Cost	19,256	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HRS 320 DRIVE HRS 80							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	18

Operations Summary

24 Hour Summary
Run Caliper log
Update Since Report Time
Milling
24 Hour Forecast
Run Caliper log

EP WELLS DAILY OPERATIONS REPORT

Report 19

12/05/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.50	COIL	CTR			0		WAIT ON STRING MILL FROM TTS SHOP
0:30	0.33	COIL	CTR			0		SAFETY MEETING
0:50	0.83	COIL	CTR			0		MEASURE TOOLS AND RIG UP MUD MOTOR
1:40	0.67	COIL	CTR			0		FUNCTION TEST MOTOR TOOK 25 BBLS TO LOAD REAL 1BPM 500 PSI 2BPM 1400 PSI 3 BPM 2500 PSI
2:20	0.13	COIL	CTR			0		PRESSURE TEST LUBE 350 PSI LOW AND 9000 PSI HIGH
2:28	0.12	COIL	CTR			0		OPEN WH RUN IN HOLE
2:35	0.33	COIL	CTR			0		FIX REAL CHAIN (LEVEL WIND CHAIN TANGLES IN REAL CHAIN)
2:55	5.18	COIL	CTR			0		RUN IN HOLE TAGGED LINER TOP BROUGHT PUMP RATE ON AT 2.5 BPM NEVER SEEN IT AGAIN MADE A COUPLE PASSES AT 14580 TO 14590' NEVER SEEN ANYTHING CONTINUE RUNNING IN HOLE TO 19872 CT 2.5 BPM BBL IN/OUT CIRC PRESSURE 5400 PSI WHP 3600 PSI CHOKE 18/64
8:06	5.90	COIL	CTR			0		WAIT FOR 10-20-10 SWEEP TO CLEAR BIT AND POOH 35 FT/MIN. PICK UP 47K. SAW NO INDICATION OF OVERPULLS. INCREASED SPED TO 120 FT/MIN AT 7"
14:00	0.50	COIL	CTR			0		BUMP UP, SI, BLEED PRESSURE FROM STACK. SI CROWN VALVE AND PREPARE TO PUMP ACID
14:30	0.58	COIL	CTR			0		OPEN ACID PUMPING PERMIT AND HOLD TAILGATE MEETING COVERING ACID PUMPING OPERATION AND PUMP SCHEDULE.
15:05	2.42	COIL	CTR			0		ESTABLISH INJECTION AT 6BPM 7000PSI. SEND 10-10-10 SWEEP FOLLOWED BY 1000GAL ACID. INCREASE RATE TO 10.5BPM AT 8500PSI. pPRESSURE BREAK TO 6200PSI AT 530BBLS TAIL AWAY. MAINTAIN 10.2 AT 6200PSI. PUMPED 1073 BBLS WATER TREATED WITH BIOCID, SCALE INHIBITOR AND CORROSION INHIBITOR.
16:30	0.50	COIL	CTR			0		MAKE UP PCE TO STACK AND PT LUBE 500/8000PSI
17:30	1.00	COIL	CTR			0		SD, SI AND BLEED PRESSURE FROM IRON. REMOVE INJECTOR HEAD AND RD MILLING BHA. RU CALIPER AND WIAT FOR OPERATIONAL CHECK. CALIPER OPENED/CLOSED AS IT WAS SET UP.
19:00	4.57	COIL	CTR			0		SHIFT CHANGE. BLEED PCE AND EQUALIZE. OPEN WELL TO 5200 PSI. RIH CALIPER. TAGGED AT 18,675' PICKED UP 30' RUN IN HOLE DIDN'T SEE ANYTHING STOPPED @ 19820'
23:34	0.43	COIL	CTR			0		WAIT FOR CALLIPERS TO OPEN
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	3.00	COIL	CTR			0	WAIT @ 19820' FOR CALLIPERS TO OPEN
3:00		COIL	CTR			0	PULL OUT OF HOLE WITH CALLIPER TOOL

EP WELLS DAILY OPERATIONS REPORT

Report 20

12/06/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	20.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	David Dennis	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	Morgan Davis	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	6.37/26.53	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	792,566/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.20	LOT/FIT EMW(ppg)	
Daily Cost	209,919	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	
Safety Comments:							
MAN HRS 310 DRIVE HRS 84							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	19

Operations Summary

24 Hour Summary
RUN CALLIPER LOG
Update Since Report Time
24 Hour Forecast
RUN CAST IRON BRIDGER PLUG

EP WELLS DAILY OPERATIONS REPORT

Report 20

12/06/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	3.00	COIL	CTR			0		WAIT @ 19820' FOR CALLIPERS TO OPEN
3:00	5.38	COIL	PCT			0		PULL OUT OF HOLE WITH CALLIPER TOOL@30 FPM
8:23	6.37	COIL	CTR			1		***NPT Keane CT WSR*** RIH TO FIX SPOOLING JOB FROM 10750 TO 19450 POOH
14:45	2.08	COIL	PCT			0		***End NPT Keane CT*** back to vertical. POOH 120 ft/min
16:50	1.83	COIL	PCT			0		Bump up CT, SI well and bleed pressure from stack. Remove lube and RD caliper tool. Cut off CT connector and install new. pull test 30k and pressure test 3000psi
18:40	3.08	COIL	PCT			0		WAIT ON BAKER PLUG AND SETTING TOO
21:45	0.33	COIL	PCT			0		RIG UP LINE TO REVERSE CIRCULATE FOR NCS PACKER TOOL SAFETY MEETING
22:05	0.92	COIL	PCT			0		RIG UP TOOLS RIG UP RESTRAINTS ON PUMP LINE
23:00	0.77	COIL	PCT			0		PRESSURE TEST 300 PSI & 9000 PSI
23:46	0.23	COIL	PCT			0		RIH WITH BAKER CAST IRON BRIDGE PLUG
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		COIL	PCT			0	RIH WITH BAKER CAST IRON BRIDGE PLUG

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
12/06/2016 08:23	KEANE FRAC LP	Clean-up for Completion		CTR	EN	Coil Tubing Downhole Equipment	6.37	6.37		OPEN
Description: RIH TO FIX SPOOLING JOB FROM 10750 TO 19450						Title: Spooling Job				
							Total	6.37	6.37	

EP WELLS DAILY OPERATIONS REPORT

Report 22

12/08/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	22.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	WES GARVER	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	JUSTIN PHILLIPS	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	5.00/20.83	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	921,459/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.23	LOT/FIT EMW(ppg)	
Daily Cost	66,337	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	3700
Safety Comments:							
Total Employees on location > 30							
Total man hours > 450 hrs.							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	21

Operations Summary

24 Hour Summary
Set 3.87" OD NCS pkr @ 15,500'. Test CIBP @ 4.5" liner t/ 8063 psi. Attempt to test 4.5" liner above 15,500', unsuccessfully. Unset pkr. POOH t/ surface. B/O and L/D NCS spot pkr BHA. Stndy wait on Expro caliper logging BHA.
Update Since Report Time
Wellbore SI and Secure. Waiting on Expro caliper logging BHA. SISCP = 0 psi. SICP = 3700 psi.
24 Hour Forecast
RIH w/ 2.375" OD CT and perform casing inspection integrity log.

EP WELLS DAILY OPERATIONS REPORT

Report 22

12/08/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.35	COIL	CTR			0		Down to 15,560' CTM-Digital. Decrease pump rate down f/ 2 BPM t/ 1 BPM = 1705 psi. Pumping down annulus. Taking returns out 2.375" OD CT @ 1 BPM = 2558 psi. Locate sleeve #43 w/ 10,000# overpull over P/U weight of 34,000# Up. Correlate CT depth to casing tally. Correction of 7.0' added.
0:21	0.08	COIL	CTR			0		Cycle NCS pkr. by setting same in 8K compression @ 15,523' CTM-Digital. P/U on CT t/ 15,500' CTM-Digital (32' above NCS sleeve). Close wellbore in on choke manifold. Pressure up down CT testing 4.5" liner f/ 15,500' down to CBP set @ 19,775' CTM-Digital. Pressure test successful to 8063 psi w/ 8.3 ppg F/W. Total volume for pressure up 4 Bbls. (Test successful f/ 5 min.)
0:26	0.42	COIL	CTR			0		Bleed down test pressure to 2100 psi. Line up pump to pump down CT x casing annulus. Bring CT pump online @ 2 BPM = 2257 psi. Taking returns out 2.375" OD CT @ 2 BPM = 1806 psi. RIH w/ 2.375" OD CT t/ 15,520' CTM-Digital
0:51	0.38	COIL	CTR			0		Decrease pump rate f/ 2 BPM t/ 1 BPM on annulus = 2387 psi. Taking returns out 2.375" OD CT @ 1 BPM = 2070 psi. POOH f/ 15,520' CTM-Digital t/ 15,499' CTM-Digital. Set pkr w/ 10K compression. Begin pumping down CT x casing annulus @ 1.5 BPM. Observed injection @ 1.5 BPM = 5603 psi above set pkr @ 15,499' CTM-Digital. (Total of 8 Bbl's injected into leak)
1:14	0.27	COIL	PCT			0		Bleed down injection pressure to 2100 psi. Unset pkr. f/ 15,499' w/ 3K overpull observed. Begin POOH w/ 2.375" OD CT @ 30 FPM. Pumping down CT x casing annulus @ 1.5 BPM = 2280 psi. Taking returns out CT @ 1.5 BPM = 2215 psi.
1:30	0.57	COIL	PCT			0		At 14,990' CTM-Digital. Pressure up down CT to test f/ 14,990' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8007 psi w/ 8.3 ppg F/W for 5 minutes (Total of 4.3 Bbl's pumped to pressure up)
2:04	0.08	COIL	PCT			0		Bleed down test pressure f/ 8005 psi to 1400 psi. Line up CT pump pumping down CT x casing annulus @ 2 BPM = 1984 psi. Taking returns out 2.375" OD CT @ 955 psi. POOH w/ 2.375" OD CT @ 35 FPM.
2:09	0.77	COIL	PCT			0		Located sleeve #53 @ 14,514' CTM-Digital w/ 5K overpull. Continue POOH w/ 2.375" OD CT pumping down CT x casing annulus @ 2 BPM = 1997 psi. Taking returns out 2.375" OD CT @ 1888 psi. Maintaining Bbl-in & Bbl-out via choke manifold.
2:55	0.17	COIL	PCT			0		At 14,480' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 14,480' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8271 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.1 Bbl's pumped to pressure up)
3:05	0.67	COIL	PCT			0		Bleed down test pressure f/ 8266 psi to 2000 psi. Line up CT pumping down CT x casing annulus @ 1 BPM = 1732 psi. Taking returns out 2.375" OD CT @ 1862 psi. POOH w/ 2.375" OD CT @ 30 FPM.
3:45	0.17	COIL	PCT			0		At 13,950' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 13,950' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8219 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.2 Bbl's pumped to pressure up)
3:55	0.43	COIL	PCT			0		Bleed down test pressure f/ 8197 psi to 2029 psi. Line up CT pumping down CT x casing annulus @ 1 BPM = 2230 psi. Taking returns out 2.375" OD CT @ 2178 psi. POOH w/ 2.375" OD CT @ 35 FPM.
4:21	0.23	COIL	PCT			0		At 13,450' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 13,450' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8184 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.2 Bbl's pumped to pressure up)
4:35	0.32	COIL	PCT			0		Bleed down test pressure f/ 8176 psi to 1800 psi. Line up CT pumping down CT x casing annulus @ 1 BPM = 1924 psi. Taking returns out 2.375" OD CT @ 2122 psi. POOH w/ 2.375" OD CT @ 35 FPM.
4:54	0.13	COIL	PCT			0		At 12,950' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 12,950' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8116 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.4 Bbl's pumped to pressure up)

EP WELLS DAILY OPERATIONS REPORT

Report 22

12/08/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
5:02	0.42	COIL	PCT			0		Bleed down test pressure f/ 8089 psi to 2047 psi. Line up CT pumping down CT x casing annulus @ 2 BPM = 2410 psi. Taking returns out 2.375" OD CT @ 1819 psi. POOH w/ 2.375" OD CT @ 40 FPM.
5:27	0.08	COIL	PCT			0		At 12,451' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 12,451' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test unsuccessful to 8249 psi w/ 8.3 ppg F/W. Dropped 1,000 psi in 30 seconds. 3400 psi loss in 5 minute period. (Total of 6.3 Bbl's pumped to pressure up)
5:32	0.28	COIL	PCT			0		Bleed down failed test pressure to 1700 psi. Line up CT pumping down CT x casing annulus @ 2 BPM = 2615 psi. Taking returns out 2.375" OD CT @ 2187 psi. Release lower cups from sealing by POOH to 12,436' CTM-Digital
5:49	0.18	COIL	PCT			0		Set 3.87" OD NCS Spot pkr @ 12,436' CTM-Digital w/ 8K compression. Attempt to P/T above pkr. to 8000 psi. (Unsuccessfully)
6:00	0.30	COIL	CTR			0		Release 3.87" OD NCS Spot pkr @ 12,436' CTM-Digital. RIH w/ 2.375" OD CT to 12,795' CTM-Digital @ 30 FPM. Pumping 1 BPM down CT x casing annulus @ 2120 psi. Taking returns out 2.375" OD CT @ 2047 psi. Maintaining Bbl-in & Bbl-out via choke manifold.
6:18	0.10	COIL	PCT			0		At 12,795' CTM-Digital. Line up pump, pumping down CT. Pressure up down CT to test f/ 12,795' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8111 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.1 Bbl's pumped to pressure up)
6:24	0.12	COIL	PCT			0		Bleed down test pressure f/ 8107 psi to 1918 psi. Line up CT pumping down CT x casing annulus @ 2 BPM = 2593 psi. Taking returns out 2.375" OD CT @ 1853 psi. POOH w/ 2.375" OD CT @ 45 FPM
6:31	0.38	COIL	PCT			0		Hold pre-job safety meeting for day time vendors. At 12,700' CTM-Digital. Line up CT pumping down CT. Pressure up down CT to test f/ 12,700' CTM-Digital to top of CBP set @ 19,775' CTM-Digital. Pressure test successful to 8085 psi w/ 8.3 ppg F/W for 5 minutes. (Total of 4.3 Bbl's pumped to pressure up)
6:54	0.50	COIL				0		PU CT to 12590' CTM-Digital, Line up pump and valves to PT below packer, PT 8000k, seen immediate drop off, watched for 5 min, lost 2300 psi, align valves bleed off pressure and RIH to next joint.
7:24	0.32	COIL				0		Depth @ 12,635' CTM-Digital, line up pump and valves to PT below packer, PT 8000K, seen immediate drop off again, watched for 5 min, lost 2200 psi. align valves and bleed off pressure. RIH to CTM 12690'.
7:43	0.90	COIL				0		CT @ 12690' CTM-Digital, line up pump and valves to PT below packer, PT 8000K, held for 5 min, test good. Bleed off pressure. POOH w/CT above sleeves. Determined Leak @ 12,628'-12682' (Didn't see any indication of sleeve #71) While POOH with tool, seen sleeve's 72,73,74. Did not see sleeve 75. Set packer @ 12245' above sleeve 75. Engaged pump 3bpm, seen injection @ 6100 psi. after 9 bbls, shut down pump, monitor pressure, 5450 psi after 5 min. Determined leak, Continue to POOH above sleeves. Seen no indication of sleeve 76.
8:37	0.63	COIL				0		CT @ 12,145' CTM-Digital, line up pump and valves to PT above sleeves. Test to 8K, hold for 5 min, test good. Bleed down pressure. RIH to 12,184', line up pump and valves to PT above packer, pump rate 3bpm, @ 6236 psi, shut down pump after 9bbls pumped. Monitor pressure, 5400 psi after 5 min. Call engineer to discuss plan forward.
9:15	2.08	COIL				0		RIH, fix wrap on reel.
11:20	0.17	COIL				0		CT @ 12,431' CTM-Digital, line up pump and valves to PT above packer, Test to 8K, monitor pressure: 1-min-6667 psi 2-min-6140 psi 3-min-5970 psi 4-min-5790 psi 5-min-5620 psi. Bleed off pressure and POOH.
11:30	3.75	COIL				0		POOH.
15:15	0.75	COIL				0		CT @ 500' CTM-Digital, line up valves and pump 10# brine, pump 120 bbls. POOH

EP WELLS DAILY OPERATIONS REPORT

Report 22

12/08/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
16:00	0.25	COIL				0		CT @ surface, SIW, WHP-3600 psi. Bleed down pressure. Gather for safety meeting.
16:15	0.25	COIL				0		Safety meeting, go over jsa's and permits, discuss 12 LSR's, 3 GR's, potential drops, 12 Q's, pinch points, good communication, proper ppe and stop the job authority.
16:30	2.00	COIL				0		Remove guy wires, verify pressure, break lubricator, lower/remove BHA. NU lubricator. pump fluid every couple of hours while waiting for caliper tools.
18:30	0.50	COIL	SAF			0		Safety meeting crew change. Perform walk around inspection of location and maintenance on equipment. Clean and clear location of trash and debris.
19:00	5.00	COIL	SIW			1		Wellbore SI and Secure. ***** Start NPT ***** Shell Engineering waiting on caliper BHA. SISCP = 0 psi. SICP = 3700 psi.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	4.50	COIL	SIW			1	Wellbore SI and Secure. ***** Start NPT ***** Shell Engineering waiting on caliper BHA. SISCP = 0 psi. SICP = 3700 psi.
4:30	0.25	COIL	SAF				Wellbore SI and Secure ***** End NPT ***** Shell Engineering arrival on location of some BHA. Hold pre-job safety meeting w/ all vendors discuss lifting and hoisting questions, pinch points, and upcoming task with BHA M/U.
4:45	0.25	COIL	CTB				Wellbore SI and Secure. SISCP = 0 psi. SICP = 3700 psi. B/O 5-1/8" 10K lubricator f/ CT BOPs. Swing injector head / PCE over to safe zone via crane.
5:00		COIL					Drift 2.875" OD External Dimple Connector, 2.875" OD DBPV w/ 0.75" OD activation ball. Dress 2.375" OD CT internally and externally f/ installation of 2.875" OD External Dimple Connector. M/U 2.875" OD External Dimple Connector.

NPT Summary

Start Date/Time	Responsible Company	NPT Code	Failure MD (ft)	Ops Code	Type*	Equipment Type	Net time (hr)	Gross time (hr)	Severity	Status
12/08/2016 19:00	SHELL	Wait On Equipment		SIW	N		9.50	9.50		OPEN
Description: WAITING ON CALIPER TOOL TO ARRIVE						Title: WOE				
Total							9.50	9.50		

EP WELLS DAILY OPERATIONS REPORT

Report 23

12/09/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	23.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	WES GARVER	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	JUSTIN PHILLIPS	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	7.50/31.25	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,022,576/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.26	LOT/FIT EMW(ppg)	
Daily Cost	47,095	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	3700
Safety Comments:							
Total Employees on location > 36 f/ 24 hr. period							
Total Exposure Hours > 504 hrs							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	22

Operations Summary

24 Hour Summary
RIH w/ casing caliper inspection logging tool on 2.375" OD CT t/ 14,500' CTM-Digital. Log up @ 25 FPM t/ 11,150' CTM-Digital. POOH w/ 2.375" OD CT and logging BHA @ 120 FPM t/ surface. Close MMV = 17-1/4 rounds. Wellbore SI and Secure.
Update Since Report Time
Wellbore SI and Secure. Download memory logging BHA data. R/D 2.375" OD CT unit and aux. equipment.
24 Hour Forecast
Wellbore SI and Secure

EP WELLS DAILY OPERATIONS REPORT

Report 23

12/09/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	4.50	COIL	SIW			1		Wellbore SI and Secure. SISCP = 0 psi. SICP = 3700 psi.
4:30	0.25	COIL	SAF			0		Wellbore SI and Secure ***** End NPT ***** Shell Engineering arrival on location of some BHA. Hold pre-job safety meeting w/ all vendors discuss lifting and hoisting questions, pinch points, and upcoming task with BHA M/U.
4:45	0.25	COIL	CTB			0		Wellbore SI and Secure. SISCP = 0 psi. SICP = 3700 psi. B/O 5-1/8" 10K lubricator f/ CT BOPs. Swing injector head / PCE over to safe zone via crane.
5:00	0.75	COIL	CTB			0		Drift 2.875" OD External Dimple Connector, 2.875" OD DBPV w/ 0.75" OD activation ball. Dress 2.375" OD CT internally and externally f/ installation of 2.875" OD External Dimple Connector. M/U 2.875" OD External Dimple Connector.
5:45	0.75	COIL	CTB			0		Pull test 2.875" OD External Dimple Connector t/ 30,000#s. Break circulation w/ 8.3 ppg F/W down CT reel via CT pump. Attempt to P/T connector to 3000 psi w/ 8.3 ppg F/W f/ 5 min. (Failed Test). CT Dimple Connector leaking f/ O-ring seal.
6:30	1.50	COIL				0		Hold pre-job safety meeting w/ all vendors disussing 12 LSRs, Lifting, Hoisting, Pressure Testing, and cold weather. Remove leaking 2.875" OD External Dimple Connector f/ 2.375" OD CT. MU new dimple connector, test again. Test failed. Remove and replace new dimple connector. Pull test 30K, test good. PT CT again. Connector leaked again. Remove and wait on new o-rings.
8:00	3.00	COIL				1		***NPT START TTS**** Waiting on o-rings from shop.
11:00	1.25	COIL				0		****NPT STOP TTS**** O-rings arrived. MU 2.875" OD External Dimple Connector to 2.375" OD CT. Pull test 30K, test good, PT coil 3K, hold 5 min, test good. Bleed down pressure, MU BHA as follows: 3.00" OD X 1.38" ID Dimple Connector f/ 2.375" OD Coil .54' 2.88" OD X 1.00" ID DUAL BPV 1.42' 2.88" OD X 0.69" ID TJ DISCONNECT 2.24' (.750 BALL SEAT) 2.88" OD 2-3/8" PAC Box Up X 5/8" Sucker Rod Box Dn 1.10' Expro caliper tool- 2.75" OD 15.38'
12:15	1.00	COIL				0		Function test caliper tool at surface. Function test failed. Check logging tool.
13:15	0.25	COIL				0		Function test caliper tool at surface. Function test good. MU lubricator to CT stack.
13:30	0.25	COIL				0		Safety pause, go over 9Q's for safe pressure test. Discuss good communication, minimizing exposure, trapped pressure and stop the job authority.
13:45	0.25	COIL				0		Clear area, PT 500 psi low, hold for 5 min, test good, PT 8000 psi high, hold for 5 min. test good. Equalize pressure. Open well and RIH.
14:00	2.00	COIL				0		RIH w/ 2.375" OD CT
16:00	1.42	COIL				0		CT @ 11000' CTM-Digital, Weight check 20K, continue to RIH to logging depth.
17:25	1.08	COIL				0		CT @ 14500' CTM-Digital, wait for tool to function. (Caliper tool timer set @ 18:18) Continue to pump 0.5 bpm, monitor returns.
18:30	0.17	COIL	PCT			0		Safety meeting w/ night crews go over JSA's and permits. Discuss operations, and cronic unease
18:40	2.50	COIL	PCT			0		At 14,500' CTM-Digital. Begin POOH @ 24'/min as per Expro logging procedure. WHP = 2724 psi. CT P = 2650 psi. P/U weight = 40,000# UP. POOH on closed choke, w/out pumping.
21:10	0.58	COIL	PCT			0		At 11,150' CTM-Digital. Stop all CT movement. WHP = 84 psi. CT P = 66 psi. Shut down movement and allow Expro caliper logging BHA to close arms. (Estimated time of closure = 2130 hrs)
21:45	0.25	COIL	PCT			0		At 11,150' CTM-Digital. Begin POOH @ 120 FPM. Pumping down CT @ 0.7 BPM = 99 psi. WHP = 249 psi. Pumping 8.3 ppg F/W, on closed choke until gaining WHP. P/U weight = 42,000# UP.
22:00	2.00	COIL	PCT			0		At 9350' CTM-Digital. WHP = 325 psi. Continue POOH @ 120 FPM w/ 2.375" OD CT. Pumping @ 0.71 BPM = 345 psi., returns @ 0.25 BPM = 320 psi. Pumping 8.3 ppg F/W. Maintaining CT displacement

EP WELLS DAILY OPERATIONS REPORT

Report 23

12/09/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
								volume via choke manifold while POOH.
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.17	COIL	PCT			0	At surface w/ 2.375" OD CT. Close MMV = 17-1/4 rounds. WHP = 856 psi. Bleed down lubricator pressure and fluid through choke manifold to 0 psi.
0:10	0.33	COIL	SAF			0	Hold pre-job safety meeting tool box talk about 12 Questions to safe lift, breaking down BHA, trapped pressure, night activities, and N2 operations.
0:30	0.33	COIL	RGD			0	B/O 5-1/8" 10K lubricator f/ CT BOP stack. B/O and L/D Expro 2.75" OD Multifinger Imaging casing inspection logging tool. Stab lubricator back onto WH.
0:50		COIL	NOA			0	Stndy and download memory logging tool data. Wellbore SI and Secure. WHP = 856 psi.

EP WELLS DAILY OPERATIONS REPORT

Report 24

12/10/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	24.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	WES GARVER	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	JUSTIN PHILLIPS	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,090,018/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.27	LOT/FIT EMW(ppg)	
Daily Cost	67,628	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	0 856
Safety Comments: Total Employees on location in 24 hr. period > Total exposure hrs. f/ 24 hr. period >							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	23

Operations Summary

24 Hour Summary
B/O and L/D Expro casing inspection logging BHA. R/D 2.375" OD CT unit and aux. equipment.
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 24

12/10/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	0.17	COIL	PCT			0		At surface w/ 2.375" OD CT. Close MMV = 17-1/4 rounds. WHP = 856 psi. Bleed down lubricator pressure and fluid through choke manifold to 0 psi.
0:10	0.33	COIL	SAF			0		Hold pre-job safety meeting tool box talk about 12 Questions to safe lift, breaking down BHA, trapped pressure, night activities, and N2 operations.
0:30	0.33	COIL	RGO			0		Close upper HSV. B/O 5-1/8" 10K lubricator f/ CT BOP stack. B/O and L/D Expro 2.75" OD Multifinger Imaging casing inspection logging tool. Stab lubricator back onto WH.
0:50	0.67	COIL	NOA			0		Stndy and download memory logging tool data. Wellbore SI and Secure. WHP = 856 psi.
1:30	2.00	COIL	RGO			0		Quality data obtained while logging. B/O 5-1/8" 10K lubricator f/ CT BOP stack. B/O and L/D TTS 2.875" OD CT connector, BPV, Hydraulic Disconnect, and X-over sub. Stab lubricator onto CT BOPs and M/U same. Blow 2.375" OD CT dry to F/B tank w/ N2.
3:30	2.00	COIL	NDB			0		Remove restraints f/ pump iron, N/D 5-1/8" 10K lubricator, and N/D 5-1/8" 10K CT BOPs
5:30	1.00	COIL	BOP			0		N/U 7-1/16" 10K blind flange and torque same. WHP = 2600 psi.
6:30	0.50	COIL	SIW			0		Hold pre-job safety meeting w/ day vendors discussion points include: 9 questions to a safe P/T, and forklift operations. P/T 7-1/16" 10K blind flange t/ 8500 psi. w/ 8.3 ppg F/W f/ Keane CT pump (Good test)
7:00	2.00	COIL	SIW			0		RD CT pump and iron. Continue to haul out recirculated fluid. Stage CT equipment on side of location.
9:00	9.00	COIL	SIW			0		Continue to haul recirculated fluid. Load out restraints and spill containments.
18:00	6.00	COIL	SIW			0		Wait on other ops.
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 25

12/11/2016

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 20 A 2003H
Wellbore	UNIVERSITY 20 A 2003H
WBS No/API No	30252835 / 4230132937.00

Event Summary

Event Type	Completion only	Event Start Date	10/03/2016	Days on Location	25.00
Objective	Install Completion	Original Spud Date	07/29/2016		
Est. Days	30.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	WES GARVER	Measured Depth(ft)	
Engineer	JORDAN SAWYER	TVD(ft)	
Other Supervisor	JUSTIN PHILLIPS	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,805.00 / 2,779.00	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	0/0	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	1,105,258/4,007,000.00	Current Fluid Density(ppg)	
Actual divided by AFE	0.28	LOT/FIT EMW(ppg)	
Daily Cost	11,183	Lithology	
		Formation/MD Top	

HSE Summary

Last Incident	Date	Days	Last Incident	Date	Days	KPI's	
LWC RWC MTC FAC Last casing pressure test			PSI NII HPI GOAL ZERO DAYS PS BARRIER EVENT PS barrier bowtie review			TRCF LWCF Safety Cards - Safe Safety Card - Unsafe SSE% Last casing pressure(psi)	2656
Safety Comments:							
Total Employees: 6 total f/ 24 hr. period							
Total Exposure Hours: 86 hrs.							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection Last BOP function test Last BOP Test Next BOP Test			JSA's/Toolbox Talks Days Since Last Drill	24

Operations Summary

24 Hour Summary
Wellbore SI and Secure, pending frac operations. Cost Capture. SISCP = 0 psi. SICP = 2656 psi.
Update Since Report Time
Wellbore SI and Secure, pending frac operations.
24 Hour Forecast
Wellbore SI and Secure, pending frac operations.

EP WELLS DAILY OPERATIONS REPORT

Report 25

12/11/2016

Well UNIVERSITY 20 A 2003H
Wellbore UNIVERSITY 20 A 2003H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	24.00	COIL	SIW			0		Wellbore SI and Secure.Pending Frac ops. SISCP = 0 psi. SICP = 2856 psi
Total	24.00							