

EP WELLS DAILY OPERATIONS REPORT

Report 4

04/20/2017

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1507H
Wellbore	UNIVERSITY 19 PW UNIT 1507H
WBS No/API No	30265017 / 4230133144.00

Event Summary

Event Type	Completion only	Event Start Date	04/15/2017	Days on Location	4.00
Objective	Install Completion	Original Spud Date	01/22/2017		
Est. Days	21.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	MORGAN	Measured Depth(ft)	
Engineer	ALEJANDRO VILEGAS	TVD(ft)	
Other Supervisor	MIKE JOHNSON	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,769.50 / 2,743.50	Hole size(in)	
THF Datum			
Daily NPT(hr/%)	4.83/20.14	Last Casing MD	
Days Ahd(-) Bhnd(+)(50/50)		Next Casing MD	
Actual cost to date/AFE	90,364/5,609,575.00	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	23,702	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:							
12 JSA'S 6 SAFEWORK PERMITS 32 EE'S							

HSE Drills

Drills/Tests	Date	Days Since Last		
Last Derrick Inspection			JSA's/Toolbox Talks	12
Last BOP function test			Days Since Last Drill	3
Last BOP Test				
Next BOP Test				

Operations Summary

24 Hour Summary
TEST BOP'S, RIG UP COILED TBG. BOP'S AND INJECTOR
Update Since Report Time
GOING SLOWLY AT 20,592'
24 Hour Forecast
CONTINUE TO RUN IN W/ COILED TBG.

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Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	2.25	PREW	RUF			0		TEST BOP'S LOW AND HIGH ON COMB. PIPE /SLIPS, PIPE, BLINDS AND BLIND SHEARS. LOW 500 PSI. HIGH 10,000 PSI.
2:15	1.75	PREW	RUF			0		STACK BOP'S, PICKUP INJECTOR AND LUBRICATOR.
4:00	1.50	PREW	RUF			0		PULL TEST CONNECTOR TO 25000#, PRESS TEST CONNECTOR TO 3000 PSI. MAKE UP BPV, JARS, DISCONNECT, SAND PERFORATOR, EXTENDED REACH TOOL, MOTOR , ROTARY SUB AND TRICONE BIT 3.75" OD
5:30	0.25	PREW	RUF			0		FUNCTION TEST MOTOR 3 BPM AT 3300 PSI.
5:45	1.25	PREW	RUF			0		SET ON WELL AND PRESSURE TEST STACK TO 8000 PSI.
7:00	6.25	PREW	RUF			0		OPEN WELL AND RUN IN W/ BIT AND MOTOR WHP 3300 PSI TAGGED @ 12,716' & 12,980' MILLED OFF WAS SLOWED DOWN TO +/- 10 MIN @ 15,200'
13:15	4.83	PREW	RUF			1		*** EMERALD SURF FILTER POD KEPT SHUTTING OFF @ 17330' EMERALD SURF'S PUMP DIED PULLED OUT OF HOLE TO VERTICAL WAITING ON CENTRIFUGAL RIGGED IN CENTRIFUGAL PUMP AND STARTED BACK IN THE HOLE
18:05	5.92	PREW	RUF			0		*** END NPT ON EMERALD SURF BACK TO 17,249' RUNNING IN HOLE W/ COILED TBG. SLOW GOING 5 TO 15'/MIN. AT 20,592'
Total	24.00							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00		PREW	RUF			0	RUN IN W/ COILED TO CLEAN OUT TO TOE SLEEVE @ 22,005', STARTING DEPTH AT MIDNIGHT 20,592'

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
04/20/2017 13:15	BEAR CREEK SERVICES LLC	Wait On Equipment		RUF	EN	NOT SPECIFIED	4.83	4.83	1	OPEN
Description: WAITING ON PUMP, RIGGED IN PUMP STARTED BACK IN HOLE						Title: WOE				
Total							4.83	4.83		

Bit Details

Bit no.	Size (in)	Manufacturer	Model no.	Class	IADC code	Serial no.	Size (32nd")	MD in (ft)	MD out (ft)	IADC Dull Grade
6	6.125	BAKER HUGHES	TD405FX			7161725	5x16	13,753.00		-----

Bit Operations

MD (ft)	WOB Min/Max (kip)	Current RPM (rpm)	Flow rate (gpm)	SPP (psi)	P bit (psi)	% @ Bit	HHP (hp)	Hours (hr)	Footage (ft)	ROP (ft/hr)	Hours cum (hr)	Footage cum. (ft)	ROP cum. (ft/hr)

Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	522	0.00	4.000		3.340	XT-39			RIG
5" SHOCK SUB	1	11.15	5.010			XT-39			W1885763
4" DRILL PIPE	64	2,871.92	4.000		3.340	XT-39			RIG
5" AGITATOR SHOCK SUB COMBO	1	23.22	5.020		2.000	XT-39			ASA500014

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Drillstring Components

Item description	# Jts	Length (ft)	OD (in)	Max OD (in)	ID (in)	Connection Name	Weight (ppf)	Grade	Serial no.
4" DRILL PIPE	36	1,612.11	4.000		3.340	XT-39			RIG
6" DOGLEG REAMER	1	4.30	5.700			XT-39			B1/A204231
4" DRILL PIPE	2	89.59	4.000		3.340	XT-39			RIG
X-O SUB	1	2.06	5.070		2.500	XT-39			DR14249
FLOAT SUB	1	2.12	4.510		1.800	3 1/2 IF			FS47552
SCREEN SUB	1	3.70	4.810		4.250	3 1/2 IF			DR31950
NMDC	1	29.03	4.530		2.625	3 1/2 IF			NESNM475559
475 GAP SUB ASSY DBL SEAL PHX VELOCITY	1	3.77	5.200		2.880	3 1/2 IF			VG475099PTS
475 CENTRALIZER COLLAR VELOCITY	1	8.35	5.200		3.630	4.3 ACME			VC475029
475 LANDING SUB ASSY VELOCITY	1	3.42	5.050		3.140	4.3 ACME			VL475046
475 X-O SUB VELOCITY	1	1.18	4.750		2.660	3 1/2 IF			VX475030
NON MAG PONY COLLAR	1	14.40	4.700		2.625	3 1/2 IF			NESPC475436
MUD MOTOR 500 NOV 513 FBH LOBE 6/7. STAGE 6.4. SET @	1	25.88	5.370			3 1/2 IF			24XH-513031-PTS
BIT# 6 RUN# 1 6.125" BAKER TD405FX (5X16's) SN: 7161725	1	1.17	6.125	6.125		3 1/2 REG			7161725

Drillstring Details

Date/Time in	Date/Time out	BHA no.	BHA Length (ft)	Min. ID (in)	Purpose
03/16/2017 22:00		6	133.75		DRILL 6.125" PRODUCTION SECTION