

EP WELLS DAILY OPERATIONS REPORT

Report 3

04/06/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H ST01
WBS No/API No	30274449 / 4230133264.01

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	3.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Ben Dickinson	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	68,780/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.01	LOT/FIT EMW(ppg)	
Daily Cost	6,700	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	2

Operations Summary

24 Hour Summary
Install anchors, complete tank RU
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 3

04/06/2018

Well UNIVERSITY 19 PW UNIT 1804H
Wellbore UNIVERSITY 19 PW UNIT 1804H ST01

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	9.00	PREW	RUF			0		Standby
9:00	0.33	PREW	RUF			0		Permain Anchors PJSM: Review JSA, HazID and UNCAAP safe work strategy.
9:20	0.42	PREW	RUF			0		Mark out anchors.
9:45		PREW	RUF			0		Drill in anchors.
Total	9.75							

EP WELLS DAILY OPERATIONS REPORT

Report 4

04/07/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H ST01
WBS No/API No	30274449 / 4230133264.01

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	4.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Ben Dickinson	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	76,556/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	6,576	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	3

Operations Summary

24 Hour Summary
NU frac stack lowers RU water transfer
Update Since Report Time
24 Hour Forecast

EP WELLS DAILY OPERATIONS REPORT

Report 4 04/07/2018

Well UNIVERSITY 19 PW UNIT 1804H
Wellbore UNIVERSITY 19 PW UNIT 1804H ST01

Time Summary

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

EP WELLS DAILY OPERATIONS REPORT

Report 5

04/08/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H ST01
WBS No/API No	30274449 / 4230133264.01

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	5.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Ben Dickinson	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	92,824/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	13,586	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	4

Operations Summary

24 Hour Summary
NU FMC WH equipment. Pressure test frac stack lowers and function test valves.
Update Since Report Time
24 Hour Forecast
RU Extreme FB equipment

EP WELLS DAILY OPERATIONS REPORT

Report 5

04/08/2018

Well UNIVERSITY 19 PW UNIT 1804H
Wellbore UNIVERSITY 19 PW UNIT 1804H ST01

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	8.00	PREW	RUF			0		Standby
8:00	0.40	PREW	RUF			0		PJSM: Review JSA, HazID and UNCAAP safe work strategy Perform 12 questions for safe lift.
8:24	0.80	PREW	RUF			0		Crane begin setting up. Valve team verify valves and 0 psi. PRO ND blind flanges
9:12	0.63	PREW	RUF			0		NU blind flanges on flow 1803H nd 1804H frac stack lowers
9:50	0.50	PREW	RUF			0		Pick swing and stab 1803H lower frac stack onto LMV and NU.
10:20	0.67	PREW	RUF			0		Pick swing and stab 1804H lower frac stack onto LMV and NU.
11:00	0.50	PREW	RUF			0		Pick up and stab goat head onto 1803H zipper stack. Stab zipper stack onto manifold and NU.
11:30	0.25	PREW	RUF			0		Pick up and stab manual valve on 1804H zipper leg. Bad hydraulic valve on edge of location ready to ship back to FMC shop.
11:45	0.25	PREW	RUF			0		F/S stop at location. Decide to swap and have Keane 2 come to pad next. Call FMC and alert that it will be necessary to swap all 4" 1002 over to 3" 1502
12:00	0.17	PREW	RUF			0		UNCAAP SAFETY PAUSE: Discuss pressure test operations and 9 QFSPT
12:10	0.58	PREW	RUF			0		PRO tie into 1803H Fill stack and pressure test Low 5 min 300 psi High 10 min 9800 psi TEST GOOD
12:45	0.50	PREW	RUF			0		Pro swap to 1804H Fill stack and pressure test Low 5 min 300 psi High 10 min 9800 psi TEST GOOD
13:15	0.25	PREW	RUF			0		PRO and crane done. Stack out crane and sign tickets. Safety Pause: FMC discuss RU of hydraulic lines.
13:30	3.50	PREW	RUF			0		FMC RU hydraulic hoses.
17:00	0.50	PREW	RUF			0		Function test 1803H UMV OPEN - CLOSE - OPEN INNER WING OPEN - CLOSE - OPEN OUTER WING OPEN - CLOSE - OPEN TEST GOOD Function test 1804H UMV OPEN - CLOSE - OPEN INNER WING OPEN - CLOSE - OPEN OUTER WING OPEN - CLOSE - OPEN TEST GOOD
17:30	0.50	PREW	RUF			0		Clean up location SDFN
18:00	6.00	PREW	RUF			0		Standby
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 6

04/09/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H ST01
WBS No/API No	30274449 / 4230133264.01

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	6.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Ben Dickinson	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	97,882/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	6,971	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	5

Operations Summary

24 Hour Summary
RU Extreme FB equipment
Update Since Report Time
24 Hour Forecast
Complete Extreme FB RU, pressure test and set 9 5/8" popoffs

EP WELLS DAILY OPERATIONS REPORT

Report 6

04/09/2018

Well UNIVERSITY 19 PW UNIT 1804H
 Wellbore UNIVERSITY 19 PW UNIT 1804H ST01

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	8.00	PREW	RUF			0		Standby
8:00	0.33	PREW	RUF			0		PJSM: Review JSA, HazID and UNCAAP safe work strategy. Discuss fork lift L&H.
8:20	3.42	PREW	RUF			0		Extremem FB begin spotting in equipment and RU of 3" lines.
11:45	1.25	PREW	RUF			0		Layout plug catcher + manifolds. Stand up sand trap. Begin hanging restraints.
13:00	1.00	PREW	RUF			0		Break for lunch.
14:00		PREW	RUF			0		Cont. RU. Start laying 2" line and restraints on 3" iron.
Total	14.00							

EP WELLS DAILY OPERATIONS REPORT

Report 7

04/10/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H ST01
WBS No/API No	30274449 / 4230133264.01

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	7.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Ben Dickinson	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor		24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	105,973/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.02	LOT/FIT EMW(ppg)	
Daily Cost	8,061	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	6

Operations Summary

24 Hour Summary
Complete Extreme FB RU, pressure test and set 9 5/8" popoffs
Update Since Report Time
24 Hour Forecast
MIRU HES and begin toe work

EP WELLS DAILY OPERATIONS REPORT

Report 7

04/10/2018

Well UNIVERSITY 19 PW UNIT 1804H
 Wellbore UNIVERSITY 19 PW UNIT 1804H ST01

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
0:00	8.00	PREW	RUF			0		Standby
8:00	0.42	PREW	RUF			0		PJSM: Review JSA, ,HazID and UNCAAP
8:25	2.58	PREW	RUF			0		Extreme FB Cont. RU of FB iron and restraints.
11:00	1.00	PREW	RUF			0		Extreme FB RU complete. Begin hanging restraints.
12:00	0.37	PREW	RUF			0		PRO AOL. PJSM: Review JSA, HazID and UNCAAP. Do 9 QFSPT
12:22	0.87	PREW	RUF			0		PRO and Extreme set 9 5/8" Pops: 1803H popoff set at 2100 psi. 1804H popoff set at 2100 psi.
13:14	0.10	PREW	RUF			0		Restraints done. Valve team walk lines and line up valves to pressure test.
13:20	0.50	PREW	RUF			0		Fill lines and pressure test FB equipment. Low 5 min 300 psi. High 10 min 9800 psi. TEST GOOD
13:50	1.17	PREW	RUF			0		Bleed off. Pick up location. Valve team secure wells. 1803H 9 5/8" pressure 0 psi. 1804H 9 5/8" pressure 0 psi.
15:00	2.00	PREW	RUF			0		SDFN
17:00	7.00	PREW	RUF			0		Standby
Total	24.00							

EP WELLS DAILY OPERATIONS REPORT

Report 8

04/15/2018

Company	PERMIAN
Well Type	Development
Well	UNIVERSITY 19 PW UNIT 1804H
Wellbore	UNIVERSITY 19 PW UNIT 1804H
WBS No/API No	30274449 / 4230133264.00

Event Summary

Event Type	Completion only	Event Start Date	12/06/2017	Days on Location	8.00
Objective	Install Completion	Original Spud Date	08/10/2017		
Est. Days	65.00	Contractor	PERMIAN WELL SVC		
Work Unit	PERMIAN COMPLETIONS	Days To Release			
		Rig Phone/FAX No.			

Well Status

Supervisor	Mike Johnson/ Mike Reber	Measured Depth(ft)	
Engineer	Lindy Byerly	TVD(ft)	
Other Supervisor	Eric Brunet	24 Hr Progress(ft)	
Depth Ref/Grd Elev/Water Depth(ft)	DFE: 2,788.55 / 2,762.90	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	185,405/4,979,691	Current MW / BH EMW(ppg)	/
Actual divided by AFE	0.04	LOT/FIT EMW(ppg)	
Daily Cost	79,432	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	7

Operations Summary

24 Hour Summary
PRIME UP EQUIP., PRESSURE TEST LINES AND OPEN TOE SLEEVE
Update Since Report Time
TOE SLEEVE OPENED , PLUGGED OFF AND PRESSURED UP AFTER 145 BBLS., PUMPED., RIG UP COIL TO CUT HOLES
24 Hour Forecast
Rih with Coil & TTS perforator tag Toe Sleeve drop ball open perforator, establish injection rate,

EP WELLS DAILY OPERATIONS REPORT

Report 8

04/15/2018

Well UNIVERSITY 19 PW UNIT 1804H
Wellbore UNIVERSITY 19 PW UNIT 1804H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
6:30	0.50	PREW	RUF			0		SAFETY MEETING, JSA AND UNCAAP REVIEW.
7:00	1.75	PREW	RUF			0		START EQUIP., PRIME UP EQUIP AND PRESS. TEST LINES. TO 9500 PSI.,
8:45	2.00	PREW	RUF			0		OPEN WELL ZERO PSI., PRESSURE UP TO 6100 PSI., HOLD FOR 15 MIN., PRESSURE UP TO 9500 PSI., HELD FOR 11 MIN. AND SLEEVE OPENED, PRESSURE DROPPED TO 5205 PSI. START INJECTION AT 2 BPM BROKE AT 7360 PSI., PRESSURE AT 7100 PSI., FOR 30 MIN. AND STARTED DROPPING TO 6800 PSI., INCREASE RATE TO 2.8 BPM, AT 7100 PSI., CLIMBED TO 8150 PSI., DROPPED RATE TO 2 BPM, PRESSURE TO 7100 PSI.. AT 115 BBLs. AWAY THEN PRESSURE WENT TO 9100 PSI. W. RATE AT 1/2 BPM, THEN TO 9500 PSI., WIT 145 BBLs. AWAY.
10:45	1.83	PREW	RUF			0		MONITOR PRESSURE DROPPED TO 8680 PSI., SURGE TO FLOWBACK TANK TO ZERO IN 5 MIN. WATCH FOR 30 MIN. AND PRESSURE AT 560 PSI., SURGE TO TANK, TO ZERO IMMED. SHUT IN AND MONITOR FOR 30 MIN. PRESSURE AT 500 PSI., SURGE TO ZERO IMMED. REPRESSURE TO 9500 PSI., W/ 18 BBLs. REDUCED RATE TO 0.5 BPM AT 6000 PSI., PRESSURE CONTINUED TO CLIMP TO 9500 PSI. WITH NO INJ. SHUT DOWN
12:35	0.17	PREW	RUF			0		BLEED WELL TO 4000 PSI. SHUT IN AND SECURE. READY FOR COILED TUBING.
12:45	0.25	PREW	RUF			0		PAUSE, make plan, UnCAAP, review JSA's and open permits
13:00	1.50	PREW	RUF			0		Walk lines and confirm valve orientation. 13:20 BD 7" nightcap and lift off same, MU this nightcap to the 7" goathead, BD goathead and spot 7" manual FV by well 13:20 Halliburton spot in containment, spot in 1000 gal of 15% HCL in transport and tie in to CTP pump truck 14:00 BD bowen off 1803" and swing to side, lower tools and BD same, mill in very good condition, BD tools and inspect CT for wear NOTE: check condition of CT, pipe worn in 2 spots / call welder ETA 2 hours
14:30	1.75	PREW	RUF			0		Lift pipe and 2-3/8" connector into lube and button up bowen on 1803H, BD 7" x 5" flange and lift over to 7" manual FV by side of 1804H well, 6 bolt to FV and lift to 1804H flow cross, torque same.
16:15	2.00	PREW	RUF			0		BD bowen and swing to side, cut 10' of CT and weld on connection off 16:30 Welder on location, orientation, review JSA, send to sniff, open hot work permit, start weld on 2-3/8" connection 17:30 PJSM, make plan, Uncaap led by CTP supervisor, 4 focals, 12 LSR's, review JSA's and open permits
18:15	0.75	PREW	RUF			0		Pull test 2-3/8" connector to 40K / 1843 psi hydraulic and prssure test CT connector 3500 psi good test function test motor at 3.5 bpm pressure was 4200 psi
19:00	1.00	PREW	RUF			0		P/U injection and make up to Bop's and secure injector head to anchors walk line line up to break circulation then perform pressure test to stack 300 psi low 5 min 8500 psi high ten min. good test
20:00	2.00	PREW	RUF			0		Open well RIH with TTS assembly maintain 3000 psi on WHP pump .750 BPM 2-7/8" X 0.2' WELD ON COIL TUBING CONNECTOR, 2-7/8" X 1.41' DUAL BACK PRESSURE VALVES, 2-7/8" X 4.39' HAILEY BI-DIRECTIONAL JARS, 2-7/8" X 2.24' HYDRAULIC DISCONNECT (3/4" BALL, VERIFIED), 2-7/8" X 4.10' NITRO TUFF ABRASSIVE PERFORATOR (9/16" & 10/16" BALLS) 2-7/8" X 2.24' XRV EXTENDED REACH, OPTIMIZED FOR 3 BPM, 2-7/8" X 13.52' TITAL SUPERMAX MOTOR W/ POWER PLUS 4.7, AND 3.80" X 1' CARBIDE INSERT CONVEX JUNK MILL.
22:00	1.75	PREW	RUF			0		CTP at 12,000', Pump Rate= 3 BPM, Pump Press= 5700 psi, WHP= 3000 psi bbl in bbl out

EP WELLS DAILY OPERATIONS REPORT

Report 8

04/15/2018

Well UNIVERSITY 19 PW UNIT 1804H
Wellbore UNIVERSITY 19 PW UNIT 1804H

Time Summary

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Rig Rate	Description
23:45		PREW	RUF			0		CTP at 19,630' CT speeds slowing down fast Pump Press= 6600 psi Rate= 3.250 bpm
Total	17.25							

06.00 Update

Start	Hours	PH	OPN	Detail	Drilled Depth (ft)	NPT level	Description
0:00	0.50	PREW	RUF			0	CTP at 19,630' Pump Press= 6600 psi Rate= 3.250 bpm WHP= 2000 psi
0:30	2.50	PREW	RUF			0	CTP 19,742' increase pump rate Continue in hole Rate = 3.75 bpm Pump Press= 6400 psi WHP= 2000 psi FR=.25 gal per 10 bbls. pop .5 w/ 5 bbls slug every 30 min
3:00		PREW	RUF			0	CTP at 21,000' Rate = 4 bpm Pump press=6800 psi WHP= 2000 psi FR=.25 gal per 10 bbls. pop .5 w/ 5 bbls slug every 30 min