

PICEANCE VLY

RU 08-06S-094W

RWF 12-9 Pad

NR 414-4

WORKOVER

## **Operation Summary Report**

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner (s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	PICEANCE VLY
Representative	
Address	

### 1.2 Well Information

Well	NR 414-4		
Project	RU 08-06S-094W	Site	RWF 12-9 Pad
Rig Name/No.		Event	WORKOVER
Start date	4/12/2022	End date	4/19/2022
Spud date	11/25/2020	UWI	NR 414-4
Active datum	RKB @6,004.0ft (above Mean Sea Level)		
Afe No./Description	/		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
4/12/2022	0:00 7:00	7.00		WSI	01	P		WSI PSI's 175/850/0
	7:00 9:00	2.00		MIRU	02	P		MIRU EWS 318 Had extended rig up time due to incimate weather
	9:00 10:00	1.00		MIRU	01	P		Prep to nipple around Kill tbg with 20 bbls ND Prod head NU BOP's Test BOP's to 400/4000 GOOD TEST
	10:00 10:30	0.50		LOC	01	P		MIRU Floor Prep to unland tbg
	10:30 11:00	0.50		POOH	02	P		Unland tbg SW 45k TBG FREE
	11:00 11:15	0.25		POOH	02	P		Strip off hanger Strip in rubber Prep to run tbg
	11:15 11:45	0.50		RIH	01	P		RIH with New P-110 to tag fill @ 11,391' (9' below BP) Trip out to existing string
	11:45 16:30	4.75		POOH	01	P		POOH scanning with 307 jnts P-110  Yellow 128 Blue 28 Red 151  TBG LOOKED GOOD TIL 5100' TBG SPLIT BELOW A COLLAR @ 5100' BELOW 5100' TBG BAD WITH INTERNAL AND EXTERNAL PITTING VERY THIN EXTERNAL SCALE FROM 8500' TO EOT X-NIPPLE CLEAR TBG PERFED 10' FROM EOT PARTIAL JET CUT ABOVE POBS 2 BALLS ON TOP OF POBS BIT WAS STILL CONNECTED
	16:30 17:00	0.50		LOC	01	P		Secure well Drain up SDFN
17:00 0:00	7.00		WSI	01	P		WSI	
4/13/2022	0:00 7:00	7.00		WSI	01	P		WSI NA/11050/0

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
	7:00 7:30	0.50		LOC	01	P		WHILE UNLOCKING RAMS AND PREPPING TO PULL TBG THE WELLHEAD JUMPED AND AND PRODUCTION CASING AND BRAIDENHEAD EQUILIZED (CASING PARTED)
	7:30 9:30	2.00		WOT	06	P		Wait on tools from town
	9:30 10:00	0.50		PUMP	04	P		Kill casing with 30 bbls and trickle Casing came around while trickling indicating both casing and production casing are drinking fluid
	10:00 10:30	0.50		WOT	03	P		Wait on additional water
	10:30 12:00	1.50		RIH	01	P		Kill casing with 35 bbls and trickle in 3rd gear to keep well dead RIH and attempt to get inside casing GOING OUTSIDE CASING POOH
	12:00 14:00	2.00		WOT	06	P		Wait on wireline and tools from town
	14:00 14:15	0.25		MIRU	05	P		MIRU WG Wireline
	14:15 14:30	0.25		PUMP	04	P		Make up 3 3/4" full open overshot With slotted guide and no Grapple on tbg Kill casing with 30 bbls and trickle
	14:30 14:45	0.25		RIH	01	P		RIH and make multiple attempts to get into casing with OSBHA Using a 1 11/16" CCL to log through tbg and confirm
	14:45 15:00	0.25		RDMO	01	P		RDMO WG Wireline
	15:00 15:45	0.75		RIH	01	P		RIH with 3000' tail string
	15:45 16:00	0.25		LOC	01	P		Pump 30 bbls down tbg Install 4 1/2" TSBP onto tail string Work TSBP down through parted casing
	16:00 18:00	2.00		RIH	01	P		RIH to set depth @ 3800' Set TSBP SW 38k Pack off to 58k J-off TSBP
	18:00 18:30	0.50		PUMP	01	P		Fill hole with 55 bbls
	18:30 19:00	0.50		WSI	01	P		Secure well SDFN
	19:00 0:00	5.00		WSI	01	P		WSIFN
4/14/2022	0:00 7:00	7.00		WSI	01	P		WSI PSI's 0/100/100
	7:00 7:20	0.33		LOC	01	P		Bleed off well Prep to pull tbg
	7:20 8:30	1.17		POOH	01	P		POOH with 114 jnts leaving 2 jnts in hole
	8:30 8:45	0.25		RIH	01	P		Make up 4 1/2" TSBP with 2 jnt tail string Work TSBP down through parted casing @ 20'
	8:45 9:45	1.00		RIH	01	P		RIH with TSBP and 106 jnts to set depth @ 3488'
	9:45 10:00	0.25		PLUG	01	P		Set TSBP @ 3438' EOT @ 3550' SW 15' Pack off to 35k J-off plug
	10:00 10:15	0.25		PUMP	04	P		Fill casing with 50 bbls down tbg up casing
	10:15 11:30	1.25		POOH	01	P		POOH with Ret head
	11:30 12:00	0.50		RDMO	02	P		RD Tongs and floor
	12:00 13:00	1.00		LOC	01	P		Dig out around wellhead Spot in floats Prep for casing repair Clean up location
13:00 0:00	11.00		WELL	01	P		WSIFW	
4/18/2022	0:00 7:00	7.00		WSI	01	P		WSI PSI's NA/0/0
	7:00 7:30	0.50		LOC	01	P		Fill hole ND BOP's Remove tbg head
	7:30 8:00	0.50		LOC	01	P		RU Tongs and floor Spot in tool float
	8:00 8:30	0.50		LOC	01	P		Make up 7 3/8" Overshot with 4 1/2" Grapple RIH with 1 jnts 2 7/8" LHDP

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
	8:30 9:45	1.25		FISH	02	P		Tag FT @ 20' Attempt to latch onto fish and couldnt POOH and change Control RIH with Overshot Latch onto fish Pull test casing to 20k
	9:45 10:00	0.25		FISH	01	P		MIRU DLD wireline RIH with stringshot Back off casing @ 80'
	10:00 10:30	0.50		POOH	01	P		POOH with 1 jnt 4 1/2" Buttress casing Good threads on bottom (Pin)
	10:30 11:00	0.50		RIH	01	P		RIH with 2 jnts 4 1/2" Buttress and tag FT @ 80'
	11:00 11:30	0.50		FISH	02	P		Screw into Casing string 10 rnds torqued up to 4500 ft lbs Pull test casing to 55k
	11:30 12:00	0.50		PUMP	01	P		Pressure test casing to 2000 psi Hold for 15 min GOOD TEST Bleed off pressure
	12:00 12:30	0.50		WELL	01	P		Land casing on slips @ 50k Cut off stump RD Floor Install tbg head
	12:30 13:00	0.50		LOC	01	P		RU floor and tongs Prep to run tbg
	13:00 14:00	1.00		RIH	01	P		Make up 4 1/2" TSBP Ret head RIH and tag TSBP @ 3500'
	14:00 14:20	0.33		PLUG	02	P		Latch onto TSBP Unset TSBP SW 16k
	14:20 15:00	0.67		POOH	01	P		POOH with TSBP Remove TSBP
	15:00 16:30	1.50		RIH	01	P		RIH with Ret head to 3600'
	16:30 17:00	0.50		WSI	01	P		Secure well SDFN
	17:00 0:00	7.00		WSI	01	P		WSIFN
	4/19/2022	0:00 7:00	7.00		WSI	01	P	
	7:00 7:30	0.50		LOC	01	P		Prep to run tbg Rih and latch onto TSBP @ 3800'
	7:30 9:30	2.00		PLUG	01	P		Unset TSBP Well began to unload fluid Close rams and TIW valve Check well pressure 2000 psi Flow well down to tank while monitoring choke Final PSI 200
	9:30 10:00	0.50		PUMP	04	P		Kill tbg with 15 bbls Kill casing with 60 bbls and trickle
	10:00 10:45	0.75		POOH	01	P		POOH and remove TSBP from tail string
	10:45 11:30	0.75		POOH	01	P		POOH with tail string
	11:30 12:00	0.50		MIRU	05	P		MIRU Driven hydrotesters
	12:00 12:30	0.50		LOC	02	P		Lunch
	12:30 18:00	5.50		RIH	01	P		RIH hydrotesting with 307 jnts to land depth @ 9975.4'  Added 151 jnts new P-110 4925.83'
	18:00 18:15	0.25		WELL	01	P		Land tbg on hanger @ 9975.4' With 307 jnts P-110,SN,NC SW 45k Bleed off stack and check seal GOOD SEAL Hydrotest hanger connection GOOD TEST
	18:15 18:30	0.25		RDMO	01	P		RD Hydrotesters RD tongs and floor
	18:30 0:00	5.50		WELL	01	P		WSIFN

