

PICEANCE VLY

RU 08-06S-094W

RWF 12-9 Pad

NR 414-4

WORKOVER

## Operation Summary Report

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## 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
4/18/2022	13:00 0:00	11.00		WELL	01	P		WSIFW
	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		WSI PSI's 0/0/0
	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

