

PICEANCE HL

RG 03-02S-098W
RGU 42-3-298 Pad
RGU 511-2-298
WORKOVER

Operation Summary Report

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1 General

1.1 Customer Information

Company	PICEANCE HL
Representative	
Address	

1.2 Well Information

Well	RGU 511-2-298		
Project	RG 03-02S-098W	Site	RGU 42-3-298 Pad
Rig Name/No.		Event	WORKOVER
Start date	1/23/2023	End date	1/30/2023
Spud date	11/17/2008	UWI	RGU 511-2-298
Active datum	KELLY BUSHING @6,721.0ft (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
12/22/2022	0:00								Attempted to retrieve SV, failed. Ran IB, came back smooth
1/23/2023	0:00	6:40	6.67		WSI	01	P		WSI
	6:40	7:00	0.33		WSI	01	P		Start and inspect rig Safety Meeting
	7:00	12:00	5.00		MIRU	02	P		Mob. to location Check pressures: TBG 290 PSI CSG 400 PSI BH 400 PSI Performed blow down test, CSG and BH are communicating.
	12:00	16:00	4.00		MIRU	02	P		Spot tank and pump Spot beam and rig Run surface lines Work over well head bolts
	16:00	16:20	0.33		WSI	01	P		Secure well Walk location for trash
	16:20	0:00	7.67		WSI	01	P		SIFN
1/24/2023	0:00	6:40	6.67		WSI	01	P		WSI
	6:40	7:00	0.33		WSI	01	P		Safety meeting start and inspect rig Check pressures: TBG 400 PSI CSG 400 PSI BH 400 PSI
	7:00	7:15	0.25		BOP	01	P		Function test BOP's GOOD TEST
	7:15	7:35	0.33		WELL	02	P		Pump 50 BBL kill down CSG and BH Pump 15 BBL kill down TBG Pump on a 1/4 BBL trickle
	7:35	8:35	1.00		MIRU	01	P		ND production head Check TBG hanger threads, GOOD NU BOP's Install 8' P-110 pup JNT
	8:35	8:50	0.25		BOP	01	P		Pressure test BOP's to 400/4000 PSI GOOD TEST
	8:50	9:10	0.33		MIRU	02	P		RU floor RU tongs
	9:10	9:30	0.33		POOH	02	P		Weight of TBG string 54.6K
	9:30	9:45	0.25		LOC	04	P		Unland TBG hanger @ 61K TBG moving free @ 55K RU PRS scanners

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
1/25/2023	9:45 15:30	5.75		POOH	01	P		POOH, scan and tally 2 3/8" N-80 4.7# TBG Scanned out 257 JNTS 92 JNTS red 85 JNTS blue 80 yellow 112 JNTS left in the well Sample cut, left by well Heavy build up starting @ JNT #176, tested in 15% HCL, no reaction Probable chemical build up Red JNTS from heavy pitting
	15:30 16:00	0.50		WSI	01	P		Secure well Blow down rig air and pump Night cap tank Secure trash
	16:00 0:00	8.00		WSI	01	P		SIFN
	0:00 6:40	6.67		WSI	01	P		WSI
	6:40 7:00	0.33		WSI	01	P		Start and inspect rig Safety meeting Check pressures: TBG 400 PSI CSG 400 PSI BH 400 PSI
	7:00 7:30	0.50		WELL	02	P		Pump 50 BBL down CSG and BH 15 BBL down TBG
	7:30 7:50	0.33		LOC	04	P		RU PRS scanners
	7:50 9:00	1.17		POOH	01	P		Scan and tally out of the hole w/ 2 3/8" N-80 4.7# TBG Starting @ JNT #255 to #342 (leaving 15 JNTS for tail string) Scanned 342 JNTS TOT of 2 3/8" N-80 4.7# TBG 80 JNTS yellow 85 JNTS blue 186 JNTS red Sample cut @ 4440' (JNT #140) left by well Heavy chem build up starting @ 6120' (JNT #193) Heavy pitting through out red JNTS Wall loss on 9 red JNTS Scan report attached
	9:00 9:20	0.33		LOC	01	P		RD scanners
	9:20 10:00	0.67		RIH	01	P		Make up TSBP: 2' P-110 2 3/8" pup JNT (flag) 1 JNT 2 3/8" N-80 4.7# TBG Seat nipple (1.780") Retrieving head TSBP Slotted sub
	10:00 12:00	2.00		TOOL	01	P		RIH w/ yellow and white band 2 3/8" N-80 4.7# TBG and TSBP Set plug @ 4647' (JNT #145) String weight 15K Pack off TSBP @ 20K, 25K and 30K on SW POOH w/ 1 JNT
	12:00 12:20	0.33		LOC	02	P		Lunch break
	12:20 12:50	0.50		PUMP	04	P		Pumped 85 BBLs to roll the hole.
	12:50 15:00	2.17		POOH	01	P		POOH w/ 2 3/8" N-80 4.7# TBG and retrieving head. Stand back 144 JNTS and lay down retrieving head
	15:00 15:30	0.50		LOC	01	P		RD floor RD tongs

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
1/26/2023	15:30 16:10	0.67		LOC	01	P		Dig out around B-section of well Prep location for CSG repair
	16:10 16:40	0.50		WSI	01	P		Secure well Blow down rig air and pump Night cap tank Walk location for trash
	16:40 0:00	7.33		WSI	01	P		SIFN
	0:00 6:40	6.67		WSI	01	P		WSI
	6:40 7:00	0.33		WSI	01	P		Start and inspect rig Safety meeting Check pressures: TBG NA CSG 0 PSI BH 0 PSI
	7:00 7:45	0.75		LOC	01	P		ND BOP's
	7:45 8:00	0.25		LOC	04	P		Move in well head team RU wire line
	8:00 15:00	7.00		LOC	01	P		Remove set screws from time saver of the B- section Un-screw time saver flange, NO GO Used winches and hammers Removed time saver nut, cleaned threads Replaced nut
	15:00 15:30	0.50		WSI	01	P		Secured well Blow down rig air and pump Night cap tank
	15:30 0:00	8.50		WSI	01	P		SIFN
1/27/2023	0:00 6:40	6.67		WSI	01	P		WSI
	6:40 7:00	0.33		WSI	01	P		Start and inspect rig Safety meeting Check pressure: TBG NA CSG 0 PSI BH 0 PSI
	7:00 7:30	0.50		LOC	01	P		RD BOP's
	7:30 7:50	0.33		LOC	01	P		Remove B-section
	7:50 8:20	0.50		POOH	01	P		POOH w/ parted CSG JNT 12.95' of LTC 4 1/2" P-110, 11.6# CSG
	8:20 9:40	1.33		RIH	01	P		Change out handling equipment Make up 7 3/8" over shot w/ a 4 1/2" grapple on 2 7/8" LH drill pipe Latch up parted CSG and pull test to 60K SW, GOOD TEST
	9:40 10:00	0.33		LOC	01	P		RU WL
	10:00 10:20	0.33		WIRE	01	P		RIH w/ CCL and 4' of shot rod (4' offset) Set shot rod @ 76' (1 JNT down from part)
	10:20 10:45	0.42		WIRE	01	P		Pull to 2k SW Apply LH torque Fire shot rod
	10:45 11:00	0.25		POOH	01	P		POOH w/ 7 3/8" over shot and 1 JNT of LTC 4 1/2" P-110, 11.6# CSG (41.95') Good back off, collar pointing up 54.90' TOT CSG fished
	11:00 11:15	0.25		LOC	01	P		Lay down LH 2 7/8" drill pipe and 7 3/8" over shot
	11:15 11:45	0.50		RIH	01	P		RIH w/ LTC 4 1/2" WB P-110 11.6# CSG Torque CSG to 2850 ft-lbs
	11:45 12:05	0.33		PUMP	04	P		Top off CSG Pressure test to 2000 PSI for 15 MIN, GOOD TEST
	12:05 12:25	0.33		LOC	02	P		Lunch break
	12:25 13:00	0.58		LOC	01	P		Pull test CSG to 65K GOOD TEST Install CSG slips and cut and prep CSG stump Land CSG @ 55K Install B-section
	13:00 13:40	0.67		LOC	01	P		NU BOP's Change back handling equipment

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
1/30/2023	13:40 15:15	1.58		RIH	01	P		RIH 145 JNTS of 2 3/8" YB and WB 4.7# TBG Latch on and retrieve TSBP
	15:15 16:30	1.25		POOH	01	P		POOH w/ 145 JNTS of 2 3/8" YB and WB 4.7# TBG Lay down TSBP Lay down tail string on junk float
	16:30 17:00	0.50		WSI	01	P		Secure well Blow down pump and rig air Night cap rig tank
	17:00 0:00	7.00		WSI	03	P		SIFW
	0:00 6:40	6.67		WSI	01	P		WSI
	6:40 7:00	0.33		WSI	01	P		Start and inspect Rig 318 Safety meeting Check pressures: TBG NA CSG 400 PSI BH 0 PSI
	7:00 7:30	0.50		LOC	04	P		RU CK hydrotesters Test JNT #1 on float Caliper hydro test tool, 1.901" VERIFIED
	7:30 8:00	0.50		LOC	01	P		Waiting on water, brakes on truck froze Drill and winch line inspection
	8:00 8:20	0.33		WELL	02	P		Pump 40 BBL's Pump on a 1/4 BBL trickle
	8:20 8:35	0.25		RIH	01	P		Make up BHA: Notch collar Seat nipple (1.780") On bottom of JNT #1
	8:35 15:50	7.25		RIH	03	P		RIH, tag @ 11,472' Lay down 8 JNTS
	15:50 16:45	0.92		RIH	01	P		Hydrotest (6000 PSI) and RIH w/ blue band, yellow band 2 3/8" N-80 4.7# and white band 2 3/8" P-110 4.7# TBG. 1 JNT failed hydrotest Land TBG @ 11,287.44' w/ 353 JNTS 86% (185' off rig tag) JNTS #1 thru #85 Blue band 2 3/8" N-80 4.7# TBG (2691.79') JNTS #86 thru #165 Yellow band 2 3/8" N-80 4.7# TBG (2533.24') JNTS #166 thru #353 White band 2 3/8" P-110 4.7# TBG (6039.11') Hydrotest TBG hanger GOOD TEST Pump TBG VOL+5
	16:45 17:15	0.50		WSI	01	P		Secure well Blow down rig air and pump Night cap tank Walk location for trash.