

PICEANCE HL

RG 24-01S-098W

RGU 31-24-198 Pad

RGU 331-24-198

PLUG AND ABANDON

Operation Summary Report

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1 General

1.1 Customer Information

Company	PICEANCE HL
Representative	
Address	

1.2 Well Information

Well	RGU 331-24-198		
Project	RG 24-01S-098W	Site	RGU 31-24-198 Pad
Rig Name/No.		Event	PLUG AND ABANDON
Start date	11/2/2023	End date	11/17/2023
Spud date	1/22/2013	UWI	RGU 331-24-198
Active datum	KB @6,567.0ft (above Mean Sea Level)		
Afe No./Description	230087 /		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
11/2/2023	0:00 8:00	8.00		WSI	01	P		WSI
	8:00 8:30	0.50		WSI	01	P		Start, inspect and prepare to move Safety meeting Check pressures 0/0/0
	8:30 10:00	1.50		MIRU	02	P		Spot tanks, pump and beam Spot floats Spot and stand rig Run surface lines
	10:00 10:15	0.25		BOP	01	P		Function test BOP's GOOD TEST
	10:15 11:00	0.75		MIRU	01	P		ND production head NU BOP's
	11:00 11:40	0.67		BOP	01	P		RU floor and tongs Pressure test BOP's 400/4000 psi GOOD TEST
	11:40 12:00	0.33		POOH	02	P		Pull TBG hanger
	12:00 13:30	1.50		POOH	01	P		POOH w/ N-80 2 3/8" 4.7# TBG
	13:30 16:00	2.50		TOOL	02	P		MU retrieving head RIH w/ retrieving head and N-80 2 3/8" 4.7# TBG Latch up to TSBP @ 6474'
	16:00 18:00	2.00		TOOL	02	P		POOH Stand back 50 JNTS of TBG
18:00 18:30	0.50		WSI	01	P		Secure well Blow down surface equipment Walk location for trash	
18:30 0:00	5.50		WSI	01	P		SIFN	
11/3/2023	0:00 6:30	6.50		WSI	01	P		WSI
	6:30 7:00	0.50		WSI	01	P		Start and inspect Rig 318 Safety meeting Check pressures: TBG 680 psi CSG 680 psi BH 10 psi
	7:00 7:30	0.50		LOC	01	P		RU pump and tank Thaw equipment Pump kill
	7:30 9:45	2.25		POOH	01	P		Stand back YB 2 3/8" N-80 4.7# TBG Lay down TSBP and retrieving head
	9:45 10:15	0.50		WIRE	01	P		RU WL Make up 3.75" guage ring and junk basket

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
11/6/2023	10:15 - 11:45	1.50		WIRE	01	P		RIH w/ guage ring Run to 10,000' Good run POOH
	11:45 - 12:45	1.00		WIRE	01	P		MU 4 1/2" CIBP and CCL RIH and set CIBP @ 9,963' POOH
	12:45 - 13:55	1.17		WIRE	01	P		MU dump bail and 3 SKS of 15.8# Class G neat cement RIH
	13:55 - 15:00	1.08		WIRE	01	T		Dump bail stacked out at approx. 5300' POOH Dump bail still full, glass not broken Meeting w/ WL Make plans to run smaller O.D. bail Monday morning
	15:00 - 15:30	0.50		WSI	01	P		Secure well Blow down pump and tank Walk location for trash
	15:30 - 0:00	8.50		WSI	01	P		SIFW
	0:00 - 6:30	6.50		WSI	01	P		WSI
	6:30 - 7:00	0.50		WSI	01	P		Start and inspect Rig 318 Safety meeting Check pressures: CSG 280 psi BH 0 psi
	7:00 - 7:30	0.50		LOC	04	P		RU pump and tank/ thaw equipment RU WL Make up 3" dump bail
	7:30 - 9:00	1.50		WIRE	01	P		RIH w/ dump bail on CIBP @ 9963' 1.5 SKS of class G neat 15.8# cement POOH RIH w/ dump bail on CIBP @ 9963' 1.5 SKS of class G neat 15.8# cement (3 SKS TOT) POOH
	9:00 - 9:20	0.33		LOC	01	P		RD WL
	9:20 - 9:40	0.33		TOOL	03	P		Make up packer on bottom of YB 2 3/8" N-80 4.7# TBG
	9:40 - 10:55	1.25		TOOL	03	P		RIH w/ packer Set @ 5515' (6' above bad CSG)
	10:55 - 11:35	0.67		PUMP	01	P		Pressure test CSG above bad spots: Start @ 1050 psi After 5 MIN 1050 psi After 10 MIN 1050 psi After 15 MIN 1055 psi After 20 MIN 1060 psi After 25 MIN 1060 psi After 30 MIN 1070 psi GOOD TEST
	11:35 - 12:00	0.42		LOC	02	P		Lunch
12:00 - 13:00	1.00		TOOL	03	P		Cont. to RIH, set packer @ (59' below bad CSG)	
13:00 - 13:45	0.75		PUMP	01	P		Pressure test CSG below bad spots (6211') Start @ 1000 psi Would not hold psi Meeting w/ engineer Make plans to RIH w/ packer to CIBP and hunt holes	
13:45 - 16:00	2.25		PUMP	01	P		Hunt holes w/ packer Isolate hole between 6466' and 6498' Injection rate of 1 BPM @ 500 psi	

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
	16:00 16:40	0.67		PUMP	01	P		RIH w/ Packer and set @ 6498' (1 JNT below hole) Test CSG from 6498' to CIBP (9963') Starting @ 1020 psi After 5 MIN 1020 psi After 10 MIN 1020 psi After 15 MIN 1020 psi After 20 MIN 1020 psi After 25 MIN 1018 psi After 30 MIN 1018 psi GOOD TEST
	16:40 18:00	1.33		TOOL	04	P		Unset packer and POOH Stand back 2 3/8" N-80 YB 4.7# TBG Lay down packer
	18:00 18:30	0.50		WSI	01	P		Secure well Blow down surface equipment Walk location for trash
	18:30 0:00	5.50		WSI	01	P		SIFN
11/7/2023	0:00 6:30	6.50		WSI	01	P		WSI
	6:30 7:00	0.50		WSI	01	P		Start and inspect rig 318 Safety meeting Check pressures: CSG 0 psi BH 0 psi
	7:00 7:20	0.33		LOC	01	P		RU pump and tank
	7:20 11:00	3.67		RIH	01	P		RIH open ended w/ 2 3/8" N-80 YB 4.7# TBG RIH to 9900'
	11:00 12:00	1.00		PUMP	04	P		Spot 9# brine from 9900'-7648' (34.9 BBLs)
	12:00 12:45	0.75		POOH	01	P		POOH to 7648' lay down 2 3/8" N-80 4.7# YB TBG
	12:45 13:00	0.25		CMT	01	P		RU Duco CMT Safety meeting w/ CMT crew Pressure test surface lines GOOD TEST
	13:00 13:20	0.33		CMT	01	P		Pump Ohio Creek plug (plug #2) 7648'-7348' Pump 23 SKS of 15.8# Class G neat cement Schedule: 13:00 5 BBL spacer @ 1.6 BPM, 340 psi 13:15 4.71 BBL slurry @ 1.6 BPM, 450 psi 13:20 28.3 BBL displacement @ 2.5 BPM, 120 psi Full returns throughout job Well static, knock of cement hose
	13:20 13:50	0.50		POOH	01	P		POOH 2'/SEC Lay down 12 JNTS Reverse and clean up TBG
	13:50 14:15	0.42		LOC	01	P		Spot 9# brine from 7348' to 6548' (12.4 BBLs)
	14:15 15:15	1.00		CMT	01	P		Pump HIC plug (plug #3) 5371'-6548' Pump 117 SKS of 15.8# Class G neat cement Schedule: 14:22 5 BBL spacer @ 1.6 BPM, 230 psi 14:35 23.96 BBL slurry @ 1.8 BPM, 40 psi 14:57 18.68 BBL displacement @ 2.4 BPM, 450 psi Full returns throughout job Shut down 1 BBL early, well drank Well static, knock of cement hose
	15:15 16:00	0.75		POOH	01	P		POOH 2'/sec Lay down 38 JNTS Reverse circulate, clean up TBG
	16:00 16:45	0.75		POOH	01	P		Lay down more 20 JNTS
	16:45 17:30	0.75		WSI	01	P		Secure well Blow down surface equipment Walk location for trash

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
11/8/2023	17:30 0:00	6.50		WSI	01	P		SIFN
	0:00 6:30	6.50		WSI	01	P		WSI
	6:30 7:00	0.50		WSI	01	P		Start and inspect Rig 318 Safety meeting Check pressures: CSG 0 psi BH 0 psi
	7:00 7:20	0.33		LOC	01	P		RU pump and tank
	7:20 8:30	1.17		RIH	03	P		PU 2 3/8" YB 4.7# N-80 TBG RIH, tag TOC @ 5415' 106' above highest HIC
	8:30 9:15	0.75		PUMP	01	P		Pressure test CSG from surface to TOC @ Start @ 1120 psi After 5 MIN 1120 psi After 10 MIN 1120 psi After 15 MIN 1120 psi After 20 MIN 1120 psi After 25 MIN 1120 psi After 30 MIN 1120 psi GOOD TEST Confirm tag and pressure test with engineer and BLM rep
	9:15 10:00	0.75		LOC	01	P		Spot 9# brine from 5415' to 3982'
	10:00 11:15	1.25		POOH	01	P		POOH and stand back work string Lay down not needed TBG
	11:15 11:35	0.33		LOC	04	P		RU WL
	11:35 12:05	0.50		WIRE	01	P		MU 4 1/2" CIBP RIH and set CIBP @ 3982' POOH
	12:05 12:35	0.50		WIRE	01	P		MU 3 hole perf gun, phased @ 120 degrees RIH and perf CSG @ 3932' POOH
	12:35 12:50	0.25		LOC	01	P		RD WL
	12:50 13:05	0.25		PUMP	03			Establish injection rate of 2 BPM @ 300psi
	13:05 13:50	0.75		RIH	01	P		PU YB 2 3/8" N-80 4.7# TBG open ended RIH to 3949.20'
	13:50 14:15	0.42		CMT	01	P		RU cementers Safety meeting w/ cement crew Pressure test cement lines to 3000 psi GOOD TEST
	14:15 15:00	0.75		CMT	01	P		Pump surface CSG shoe plug 111 SKS of class G 15.8# cement per schedule 3982' to 3682' 14:20 5 BBL spacer @ 400 psi and 1.6 BPM 14:27 22.43 BBL slurry @ 80 psi and 2.3 BPM 1440 13.8 BBL displacement @ 400 psi and 2.3 BPM Full returns through out job Shut down 1.5 BBLs early, let well drink Well static, knock off cement hose
	15:00 16:30	1.50		POOH	01	P		POOH w/ 9 JNTS of TBG @ 2'/sec LD all TBG
16:30 17:00	0.50		WSI	01	P		Secure well Blow down surface equipment Walk location for trash	
17:00 0:00	7.00		WSI	01	P		SIFN	
11/9/2023	0:00 6:30	6.50		WSI	01	P		WSI
	6:30 7:00	0.50		WSI	01	P		Start and inspect Rig 318 Safety meeting Check pressures: CSG 0 psi BH 0 psi
	7:00 7:20	0.33		LOC	01	P		RU pump and tank

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Code	Sub	Class	MD from (ft)	Operation
	7:20 8:25	1.08		PUMP	01	P		Pressure test CSG: Start @ 1080 psi After 5 MIN 1080 psi After 10 MIN 1078 psi After 15 MIN 1078 psi After 20 MIN 1075 psi After 25 MIN 1075 psi After 30 MIN 1075 psi GOOD TEST Pressure test surface CSG: Start @ 1110 psi After 5 min 1110 psi After 10 MIN 1110 psi After 15 MIN 1110 psi After 20 MIN 1105 psi After 25 MIN 1105 psi After 30 MIN 1105 psi GOOD TEST
	8:25 8:45	0.33		LOC	04	P		RU WL MU CCL and perf gun
	8:45 9:30	0.75		WIRE	01	P		RIH and tag TOC @ 3083' Meeting w/ engineer and BLM rep POOH and perf 4 1/2" CSG @ 100' POOH and RD WL
	9:30 10:00	0.50		LOC	01	P		ND BOP's NU production head
	10:00 10:15	0.25		LOC	04	P		RU cement crew Safety meeting Pressure test cement lines, 3000 psi GOOD TEST
	10:15 10:45	0.50		CMT	01	P		Pump top off Job 36 SKS of class G 15.8# cement per schedule 100' to 0' 10:15 5 BBL spacer @ 120 psi and 2.3 BPM 10:25 7.31 BBL slurry @ 260 psi and 2.3 BPM Full returns through out job Cement to surface Well static, knock off cement hose
	10:45 15:00	4.25		RDMO	02	P		Rack out tank and pumps Lay down rig Prep beam and rig for MOB Clean wells and location Put up fence Well P&A'd
	15:00 0:00	9.00		WSI	01	P		WSI
11/17/2023	0:00 9:00	9.00		WSI	01	P		WSI
	9:00 10:30	1.50		LOC	01	P		Checked pressures: Prod CSG - 0psi BH - 0psi Open valve on wellhead ("no gas anywhere") Pot hole out around wellhead down to 4' with WCO vac truck
	10:30 13:00	2.50		WSI	01	P		Cap Wellhead and weld on name plate with weep hole reading: P&A Dryhole marker details: 1 Operator Name: TEP ROCKY MOUNTAIN LLC 2 Well Name and Number: RGU 331□24□198 3 Location: LOT 2 24 1S98W 4 API Number: 05□103□11807
	13:00 13:30	0.50		LOC	01	P		Hauled off well head Backfill hole Clean up location
	13:30 0:00	10.50		WSI	01	P		Well P&A'd