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EPA REGION VI

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U.S. Environmental Protection Agency
Water Enforcement Branch (ECDWE)
1201 Elm Street, Suite 500
Dallas, TX 75270-2102

June 21, 2021

Re: Update

Dear David,

Attached are the MIT reports from Caleb Kennedy showing well ABR no.10 (OS3505) failed, well no. 63 (OS4123) passed, and well no. 12 (OS4390) passed. Cliff Taylor tells me he plans to pull the packer from well no. 10 for cleaning and repair as needed and reset for testing, as soon as he can. He has not tested wells number 4-A (OS5050), 64 (OS5620) and 16 (OS5186).

Ms. Christina Mashunkashey tells me she is not finding well no. 16 (OS5186) in their data base. Could you send us information regarding the well?

Sincerely,

Rick Coody
PEMCO

Mechanical Integrity Test Results

Casing or Annulus Pressure Test

Ozage ENR Department

100 W. MAIN ST, STE-304

Pawhuska, Ok 74056

Inspector:

Caleb Kennedy

Test Date: 12/02/2020 Test Time: 9:45 AM

Operator Representative: CLIFF TAYLOR

Date Report Sent to Operator: _____

General Well Data

Operator: Branson Energy Inc 655

16540 Ranchland Road

Skiatook, Ok 74070

Inventory Number: OS3505

API Well No.: 35-113-20793-00-00

Well Name/No.: #10

Location: SW 29 23N 11E 808S - 1110W

Phone: (918) 396-4779

Field name: _____

Injection Interval: 1700 - 1715 USDW Bot: 340

Well Type: EOR

Annulus Fluid Type: FW PF Concentric Plr: _____ Packer Depth: 1650 Casing: 4.5 in. Tubing: 2.4 in.

Tubing and Annulus Pressure Test Results

Type of MIT: Std. Annulus Pres. Test

Test Reason: 5-year Test

Inj. Status: N Inj. Rate: _____ bpd Tubular Lining: Plastic Time Since Ann Filled: _____ Hrs

	Tubing		Annulus		Flowback		Pressure		Volume	
	Time	Pressure	Time	Pressure						
Pre-Test:		0		0			High:	200	psi	
Initial:	9:45 AM	0		220			Mid:	100	psi	750 ml
Mid:	10:00 AM	0		220			Low:	20	psi	250 ml
Final:	10:15 AM	0		200			End:	0	psi	250 ml
							Total Volume:			1250 ml

Casing/Tubing Annulus Monitoring

Device: _____

Fluid Level: _____ Annulus Pres: _____ psi

Test Result: Fail

Failure Type: _____

Failure Cause: _____

Repair Due: _____

Engineer Signature: [Signature]

Review Date: 1/26/21

ADA Pressure Test - Required Test Pressure

(Fluid Column Ht * Specific Gravity * .433 / H2 Vlt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	1.06	1.06
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

Additional Comments for Mechanical Integrity Test

EQUIPPED WELL. HELD PRESSURE OKL (220-200)

Mechanical Integrity Test Results

Casing or Annulus Pressure Test

Osage ENR Department

100 W. MAIN ST, STE-304

Pawhuska, Ok 74056

Inspector: Caleb Kennedy Test Date: 11/24/2020 Test Time: 12:45 PM
Operator Representative: CLIFF TAYLOR Date Report Sent to Operator: _____

General Well Data

Operator: Branson Energy Inc - 655 *Rick Coody* Inventory Number: OS4123
16540 Ranchland Road API Well No.: 35-113-21796-00-00
Skiatook, Ok 74870 Well Name/No.: 63
Location: NW 32 23N 11E 560S - 880W
Phone: (918) 396-4779 Field name: _____
Injection Interval: 1678 - 1690 USDW Bot: 270 Well Type: EOR
Annulus Fluid Type: FwPF Concentric Pkr: - Packer Depth: 1630 Casing: 4.5 in. Tubing: 2.4 in.

Tubing and Annulus Pressure Test Results

Type of MIT: Std. Annulus Pres. Test Test Reason: 5-year Test
Inj. Status: N Inj. Rate: _____ bpd Tubular Lining: Standard Time Since Ann Filled: _____ Hrs

		Tubing Pressure	Time	Annulus Pressure		
		Time	Pressure	Time	Pressure	Volume
Pro-Test:		0		0	psi	
Initial:	12:45 PM	0		220	psi	
Mid:	1:00 PM	0		220	psi	
Final:	1:15 PM	0		220	psi	
					Flowback	Pressure
					High:	220 psi
					Mid:	100 psi 250 ml
					Low:	20 psi 250 ml
					End:	0 psi 250 ml
					Total Volume:	750 ml

Casing/Tubing Annulus Monitoring

Device: _____
Fluid Level: _____ Annulus Pres: _____ psi
Test Result: Pass
Failure Type: _____
Failure Cause: _____
Repair Due: _____
Engineer Signature: _____
Review Date: 1/25/21

ADA Pressure Test - Required Test Pressure

(Fluid Column Ht * Specific Gravity * .433 / M2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	1.06	1.06
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

Additional Comments for Mechanical Integrity Test

EQUIPPED WELL. HELD PRESSURE OK.

Mechanical Integrity Test Results

Casing or Annulus Pressure Test

Osage ENR Department

100 W. MAIN ST, STE-304

Pawhuska, Ok 74056

Inspector: Caleb Kennedy

Test Date: 11/24/2020 Test Time: 1:45 PM

Operator Representative: CLIFF TAYLOR

Date Report Sent to Operator: _____

General Well Data

Operator: ~~Branson Energy Inc~~ 666

Inventory Number: OS4390

16540 Ranchland Road

API Well No.: 35-113-21159-00-00

Skistook, Ok 74070

Well Name/No.: Stuart # 12

Location: SW 29 23N 11E 780N - 80W

Phone: (918) 396-4779

Field name: _____

Injection Interval: 1736 - 1768

USDW Bot: 280

Well Type: EOR

Annulus Fluid Type: As.PF Concentric Pkr: -

Packer Depth: 1720 Casing: 5 1/2 in. Tubing: 2.4 in.

Tubing and Annulus Pressure Test Results

Type of MIT: Std. Annulus Pres. Test

Test Reason: 5-year Test

Inj. Status: N Inj. Rate: _____ bpd Tubular Lining: Standard Time Since Ann Filled: _____ Hrs

	Time	Tubing Pressure	Time	Annulus Pressure
Pre-Test:		0		0 psi
Initial:	1:45 PM	0		200 psi
Mid:	2:00 PM	0		190 psi
Final:	2:15 PM	0		190 psi

Flowback	Pressure	Volume
High:	190 psi	
Mid:	100 psi	1500 ml
Low:	20 psi	1750 ml
End:	0 psi	500 ml
Total Volume:		3750 ml

Casing/Tubing Annulus Monitoring

Device: _____

Fluid Level: _____ Annulus Pres: _____ psi

Test Result: Pass

Failure Type: _____

Failure Cause: _____

Repair Due: _____

Engineer Signature: _____

Review Date: 11/25/21

ADA Pressure Test - Required Test Pressure

(Fluid Column Ht * Specific Gravity * .433 / H2 Wt Fec = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

Additional Comments for Mechanical Integrity Test

EQUIPPED WELL. HELD PRESSURE OK. (200-190)

Mechanical Integrity Test Results

Casing or Annulus Pressure Test

Osage ENR Department

100 W. MAIN ST, STE-304

Pawhuska, Ok 74056

Inspector: J. Andrew Yates

Test Date: 07/22/2009 Test Time: 11:15 AM

Operator Representative: STEVE MARLIN

Date Report Sent to Operator: _____

General Well Data

Operator: Branson Energy Inc - 655
16540 Ranchland Road
Skiatook, Ok 74070

Inventory Number: OS5050

API Well No.: 35-113-25758-00-00

Well Name/No.: Stuart 4-A

Location: NW 29 23N 11E 1185S - 1850W

Phone: (918) 396-4779

Field name: _____

Injection Interval: 1717 - 1735 USDW Bot: 245

Well Type: EOR

Annulus Fluid Type: _____ Concentric Pkr: - Packer Depth: 1690 Casing: 4.5 in. Tubing: 2.4 in.

Tubing and Annulus Pressure Test Results

Type of MIT: Std. Annulus Pres. Test

Test Reason: 5-year Test

Inj. Status: N Inj. Rate: 0 bpd Tubular Lining: Plastic Time Since Ann Filled _____ Hrs

	Time	Tubing Pressure	Time	Annulus Pressure	Flowback Pressure	Volume
Pre-Test:		<u>0</u>		<u>0</u> psi	High: _____ psi	
Initial:	<u>11:15 AM</u>	<u>0</u>		<u>200</u> psi	Mid: _____ psi	_____ ml
Mid:	<u>11:17 AM</u>	<u>0</u>		<u>100</u> psi	Low: _____ psi	_____ ml
Final:				<u>psi</u>	End: _____ psi	_____ ml
					Total Volume: _____	<u>0</u> ml

Casing/Tubing Annulus Monitoring

Device: _____

Fluid Level: _____ Annulus Pres: _____ psi

Test Result: Failure

Failure Type: _____

Failure Cause: _____

Repair Due: _____

Engineer Signature Rick L. Davis

Review Date: 07/29/2009

ADA Pressure Test - Required Test Pressure

(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

Additional Comments for Mechanical Integrity Test

RAN TEST W/ SAME RESULTS TWICE.

Mechanical Integrity Test Results

Casing or Annulus Pressure Test

Osage ENR Department

100 W. MAIN ST, STE-304

Pawhuska, Ok 74056

Inspector: J. Andrew Yates

Test Date: 07/22/2009 Test Time: 12:00 AM

Operator Representative: STEVE MARLIN

Date Report Sent to Operator: _____

General Well Data

Operator: Branson Energy Inc - 655
16540 Ranchland Road
Skiatook, Ok 74070

Inventory Number: OS5620

API Well No.: 35-113-21797-00-00

Well Name/No.: STUART 64

Location: NW 32 23N 11E 870N - 1120W

Phone: (918) 396-4779

Field name: _____

Injection Interval: 1628 - 1640 USDW Bot: 150

Well Type: EOR

Annulus Fluid Type: _____ Concentric Pkr: - Packer Depth: 1620 Casing: 4.5 in. Tubing: 2.4 in.

Tubing and Annulus Pressure Test Results

Type of MIT: Std. Annulus Pres. Test

Test Reason: 5-year Test

Inj. Status: _____ Inj. Rate: _____ bpd Tubular Lining: Plastic Time Since Ann Filled _____ Hrs

Time	Tubing Pressure	Time	Annulus Pressure	Flowback	Pressure	Volume
Pre-Test:	_____	_____	_____ psi	High:	_____ psi	_____ ml
Initial:	_____	_____	_____ psi	Mid:	_____ psi	_____ ml
Mid:	_____	_____	_____ psi	Low:	_____ psi	_____ ml
Final:	_____	_____	_____ psi	End:	_____ psi	_____ ml
				Total Volume:	_____	0 ml

Casing/Tubing Annulus Monitoring

Device: _____

Fluid Level: _____ Annulus Prs: _____ psi

Test Result: Failure

Failure Type: _____

Failure Cause: _____

Repair Due: _____

Engineer Signature Rick L. Davis

Review Date: 07/29/2009

ADA Pressure Test - Required Test Pressure

(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	1.06	1.06
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

Additional Comments for Mechanical Integrity Test

VERBAL FAILURE, WOULD NOT LOAD.