

Click here to reset the form

FORM
21
Rev 9/14

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)-894-2100 Fax: (303)-894-2109

FOR OGCC USE ONLY

Document Number:

Date Received:

MECHANICAL INTEGRITY TEST

1. Duration of the pressure test must be a minimum of 15 minutes.
2. An original pressure chart must accompany this report if this test was not witnessed by a OGCC representative. Injection wells tests must be witnessed by an OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. New injection wells must be tested to maximum requested injection pressure.
5. For injection wells, test pressures must be at least 300 psig or average injection pressure, whichever is greater.
6. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
7. Do not use this form if submitting under provisions of Rule 326.a.(1) B. or C.
8. OGCC notification must be provided 10 days prior to the test via Form 42.
9. Packers or bridge plugs, etc., must be set within 100 feet of the perforated interval to be considered a valid test.

OGCC Operator Number: 16700
Name of Operator: Chevron U.S.A. Inc
Address: 100 Chevron Road
City: Rangely State: CO Zip: 81648
API Number: 05-103-05782 OGCC Facility ID Number: 47443 / Rangely Field 72370
Well/Facility Name: A.C. McLAUGHLIN Well/Facility Number: 20
Location QtrQtr: SESW Section: 13 Township: 2N Range: 103W Meridian: 6th

Contact Name and Telephone

Diane L Peterson

No: (970) 675-3842

Email: dlpe@chevron.com

Complete the
Attachment Checklist

	Oper	OGCC
Pressure Chart	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cement Bond Log	<input type="checkbox"/>	<input type="checkbox"/>
Tracer Survey	<input type="checkbox"/>	<input type="checkbox"/>
Temperature Survey	<input type="checkbox"/>	<input type="checkbox"/>
Inspection Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>

☐ SHUT-IN PRODUCTION WELL

☒ INJECTION WELL

Last MIT Date: 04/18/2012

Test Type:

☐ Test to Maintain SI/TA status

☒ 5-year UIC

☐ Reset Packer

☐ Verification of Repairs

☐ Annual UIC Test

Describe Repairs or Other Well Activities:

Wellbore Data at Time of Test

Injection/Producing Zone(s): Weber
Perforated Interval: 6190-6498
Open Hole Interval: 6516-6580

Casing Test

Use when perforations or open hole is isolated by bridge plug or cement plug; use if cased-hole only with plug back total depth.

Bridge Plug or Cement Plug Depth

Tubing Casing/Annulus Test

Tubing Size: 2 7/8' Tubing Depth: 6536 Top Packer Depth: 5920 Multiple Packers? ☒ Yes ☐ No

Test Data

Test Date: 4/13/16 Well Status During Test: Injecting
Casing Pressure Before Test: 1513 Initial Tubing Pressure: 1513 Final Tubing Pressure: 1513
Casing Pressure Start Test: 1200 Casing Pressure - 5 Min.: 1200 Casing Pressure - 10 Min.: 1200 Casing Pressure Final Test: 1200 Pressure Loss or Gain During Test: 0

Test Witnessed by State Representative?

☒ Yes

☐ No

OGCC Field Representative (Print Name):

Chuck Browning

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Diane L Peterson Form 42# 401015776

Field Inspection #

680400437

Signed: Diane L Peterson Title: Permitting Specialist

Date: 4/13/16

OGCC Approval: [Signature] Title: New Insp

Date: 4/13/16

Conditions of Approval, if any:

Well Name: MCLAUGHLIN A.C. 20

IJ: 2211

Well Status: Injector Injecting

Elevations: K.B.=5430

T.D.=6580 Revised by: N. M. Ebbesen

T.C.C.=5418

P.B.T.D.=N/A , 11-15-93

Completion Date: 09/09/46

Conversion Date: 05/01/69

Nitroshot: N/A QTS.

Fish: N/A

Comment: N/A

Zone Tops: 1-6156 2-6315 3-6324 4-6427
5-6454 6- N/A 7- N/A 8- N/A
9- N/A 10- N/A 11- N/A

Casing:

Type	Top	Bottom	OD	Grade	#/ft
Casing	0	33	16"	J55	55
Casing	0	1020	10 3/4"	J55	40.5
Casing	0	5271	7"	J55	23
Casing	5271	6166	7"	N80	23
Liner	6026	6516	5"	N80	18
Open Hole	6516	6580			N/A

Logs:

Perforation 6190 - 6498

08/23/46 ELECTRICAL
09/07/46 ELECTRICAL
09/07/46 GAMMA RAY NEUTRON
07/30/64 CALIPER
03/23/70 PRODUCTION LOG
06/11/72 PRODUCTION LOG
09/29/73 PRODUCTION LOG
05/20/74 PRODUCTION LOG
05/17/76 PRODUCTION LOG
08/13/77 SONIC
08/18/77 CEMENT BOND LOG
12/01/77 PRODUCTION LOG
09/14/78 PRODUCTION LOG
08/20/79 SONIC
10/08/82 DIRECTIONAL SURVEY
06/23/83 PRODUCTION LOG
10/19/83 PRODUCTION LOG

Perforations:

SPF

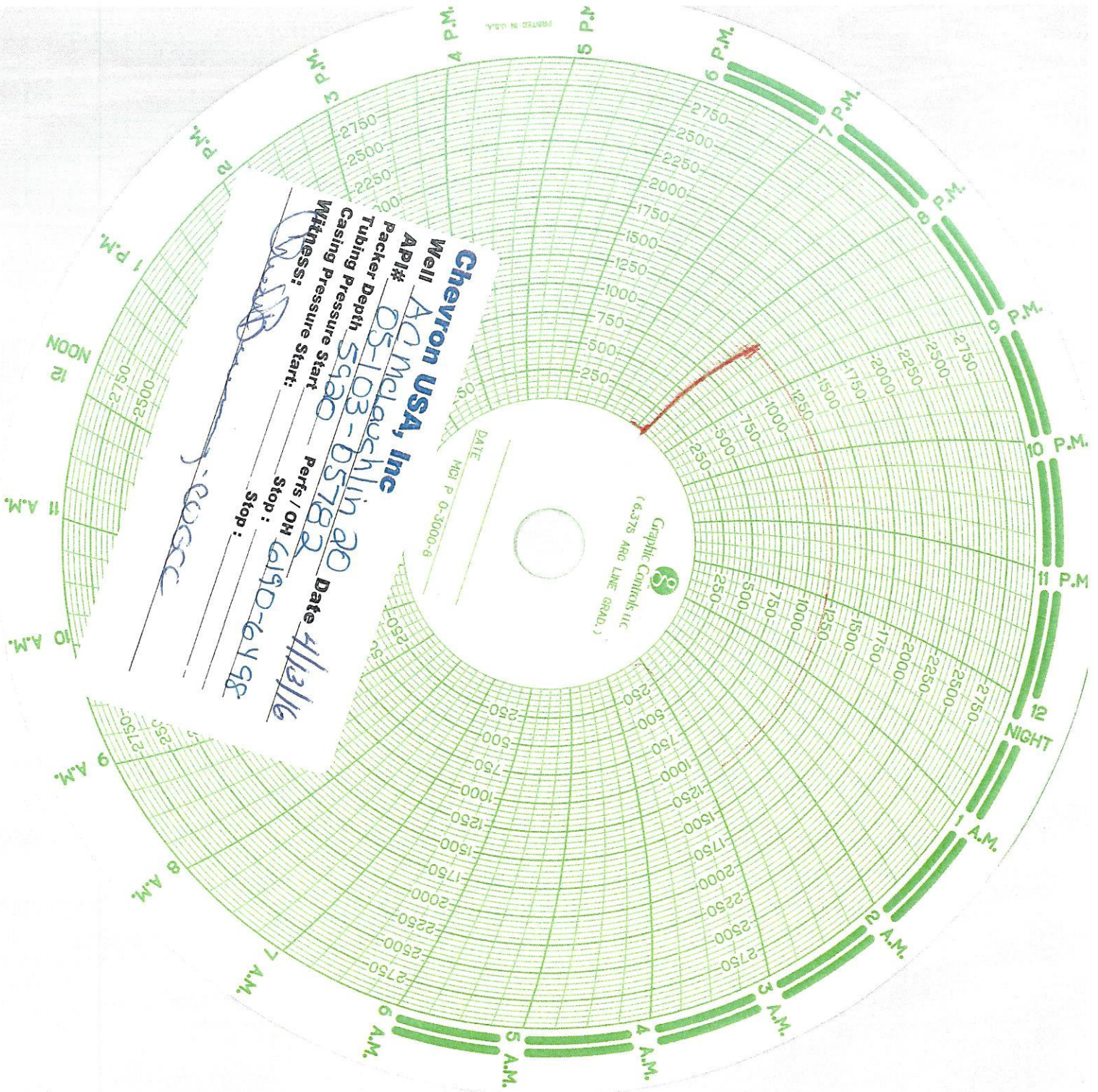
Communication not noted in well file

6190-6202 3 PERF
6218-6251 1 PERF
6270-6281 3 PERF
6308-6355 1 PERF
6366-6387 1 PERF
6397-6426 1 PERF
6456-6464 3 PERF
6469-6475 1 PERF
6485-6498 1 PERF

Packers: 5949 5970 6167 6291 6440 6502

Well History:

- 09-46 Initial Completion.
- 06-56 Pulled the pump and cleaned out the open hole interval. Bradenhead sand-oil squeezed with 30,000 gallons of crude and 30,000# of sand. Displaced with 320 barrels of crude.
- 08-64 Cleaned out the open hole interval and fraced the well using 25,000 gallons of crude with 15,000 pounds of 20-40 sand and 10,000 pounds of 10-20 sand. Displaced with 255 barrels of crude.
- 04-67 Pumped 100 barrels of No. 2 fuel oil down backside, allowed a 48-hour soak and returned well to production.
- 04-69 Converted to injection. Pulled the production equipment and ran a packerless injection string.
- 11-69 Pumped 500 pounds of leather down the annulus to eliminate thief zone.
- 05-71 Pumped 1000 pounds of leather and walnut shells down the annulus to eliminate a thief zone.
- 06-71 Mixed and pumped 1500 pounds of leather and walnut shells down the backside for injection profile control.
- 06-73 Pulled the packerless injection string. Ran a packer and plastic lined tubing string and returned well to injection.
- 08-77 Cleaned out to TD at 6525'. Ran, cemented and perforated a 5" liner. Ran dual completion equipment for injection control.
- 08-79 Pulled the dual completion equipment. Cleaned out the liner and squeezed a packer seat. Drilled through the liner shoe to the new TD at 6580'. Perforated three additional zones and



Graphic Controls Inc.
(6.378 ARG LINE GRAD.)
DATE
MOI P 0-3000-8

Chevron USA, Inc
Well AC Mclauchlin 20
API# 05-103-05782
Packer Depth 5920
Casing Pressure Start
Witness: [Signature] Date 4/13/16
Perts / OH 6190-6498
Stop: [Signature]