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FORM 21 Rev 3/13

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

MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested is a permitted or pending injection well. Send original plus one copy.

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

Complete the Attachment Checklist

Attachment Checklist table with columns for Oper and OGCC, and rows for Pressure Chart, Cement Bond Log, Tracer Survey, Temperature Survey, Other Report 1, Other Report 2.

OGCC Operator Number: 74770
Name of Operator: Ritchie Exploration Inc
Address: PO Box 783188
City: Wichita State: KS Zip: 67278
API Number: 121-05438 Field Name: Monte Field Number: 55978
Well Name: Cowles Number: 4
Location (QtrQtr, Sec, Twp, Rng, Meridian): NW NE 25-3S-52W - 6 PM

[X] SHUT-IN PRODUCTION WELL [] INJECTION WELL Facility No.:

Part I. Pressure Test

- [X] 5-Year UIC Test [] Test to Maintain SI/TA Status [] Reset Packer
[] Verification of Repairs [] Tubing/Packer Leak [] Casing Leak [] Other (Describe):

Describe Repairs:

Wellbore Data at Time of Test
Injection/Producing Zone(s): J-SND
Perforated Interval: 4217' - 4222'
Open Hole Interval:
Casing Test [X] NA
Bridge Plug or Cement Plug Depth: 4150'

Tubing Casing/Annulus Test [] NA
Tubing Size:
Tubing Depth:
Top Packer Depth:
Multiple Packers? [] Yes [] No

Test Data table with columns: Test Date, Well Status During Test, Date of Last Approved MIT, Casing Pressure Before Test, Initial Tubing Pressure, Final Tubing Pressure, Starting Casing Test Pressure, Casing Pressure - 5 Min., Casing Pressure - 10 Min., Final Casing Pressure, Pressure Loss or Gain During Test.

Test Witnessed by State Representative? [] Yes [X] No
OGCC Field Representative (Print Name):

Part II. Wellbore Channel Test

Complete only if well is or will be an injection well.

Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

[] Tracer Survey [] CBL or Equivalent [] Temperature Survey
Run Date: Run Date: Run Date:

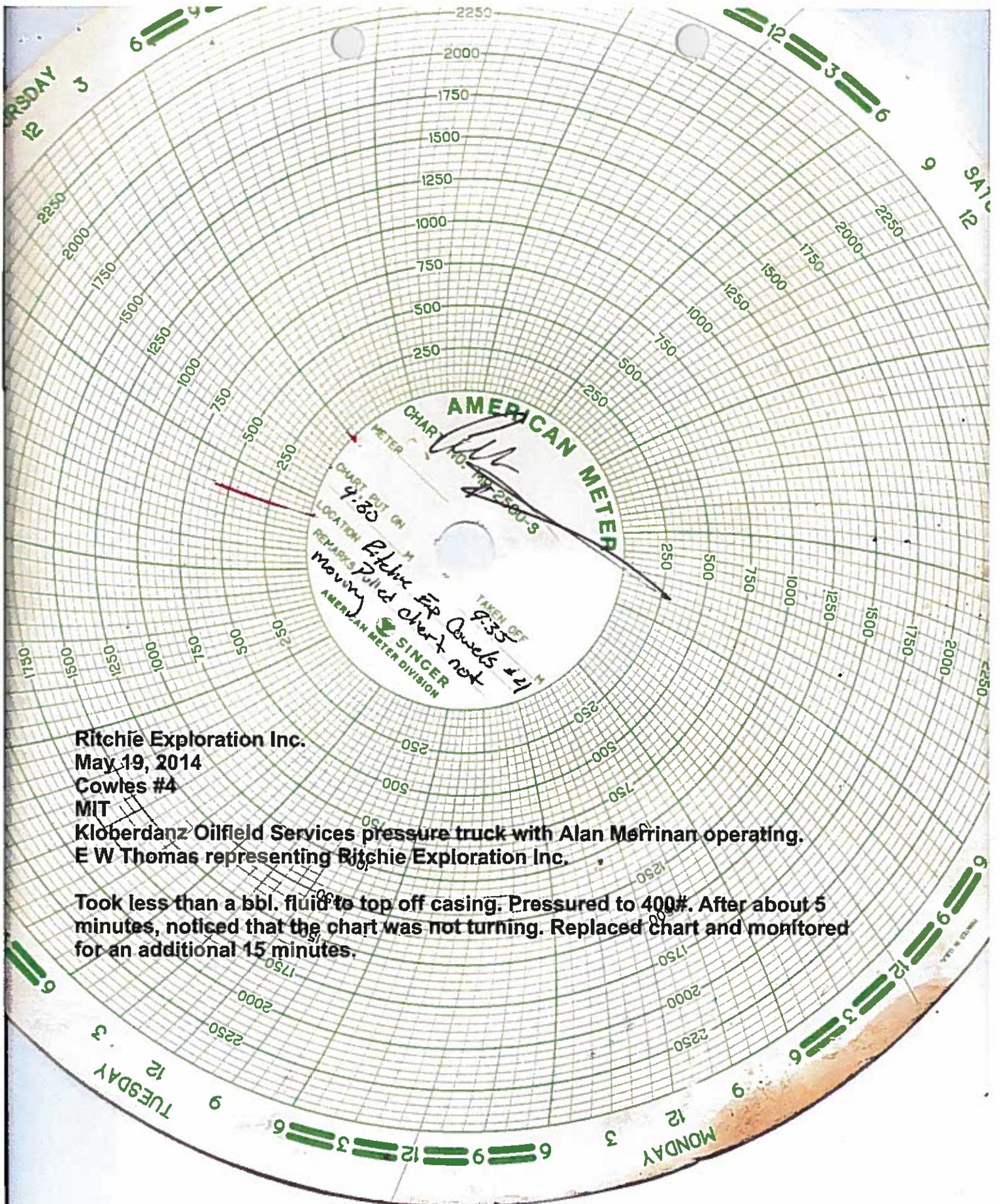
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: John Niernberger

Signed: [Signature] Title: Production Manager Date: 05/20/2014

OGCC Approval: Title: Date:

Conditions of Approval, if any:



Ritchie Exploration Inc.

May 19, 2014

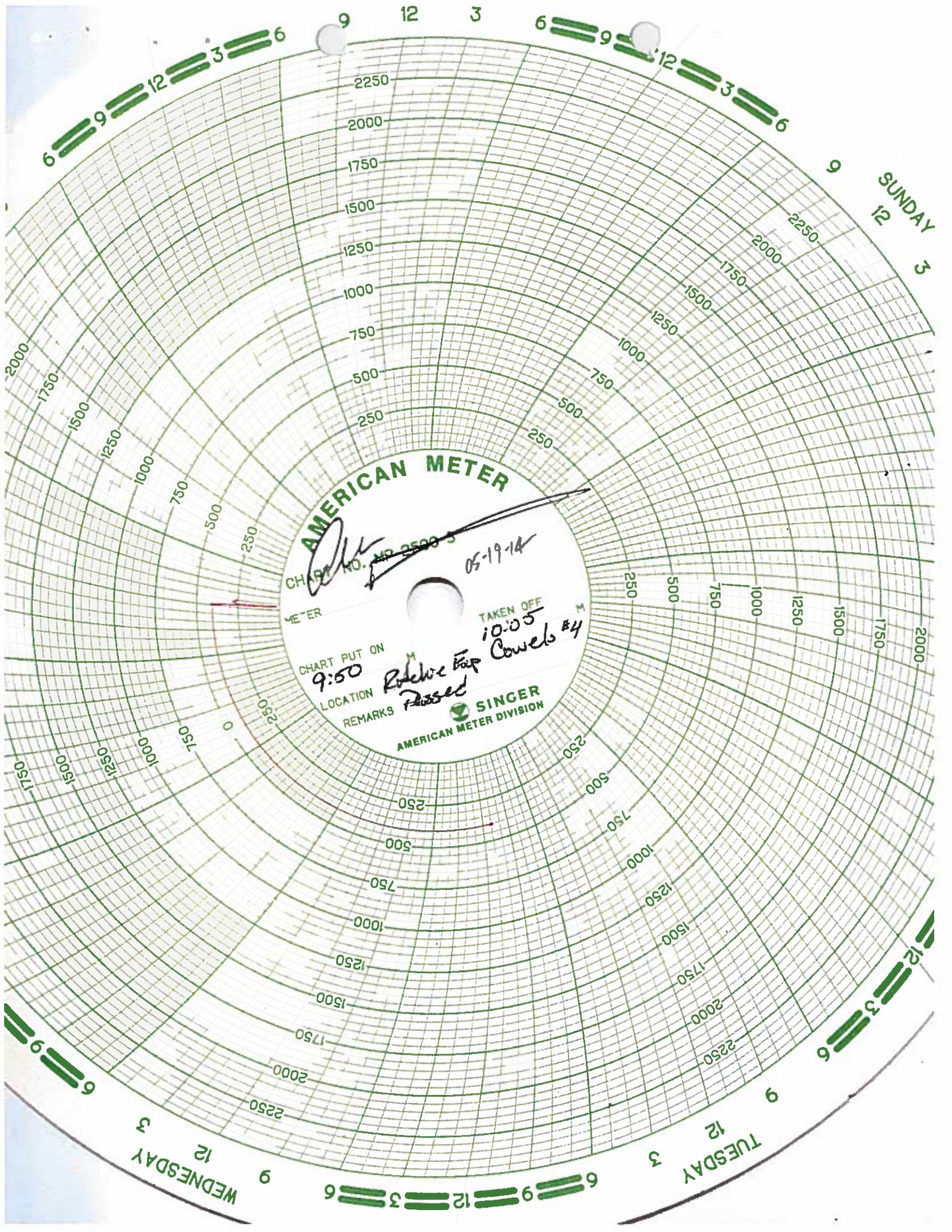
Cowles #4

MIT

Kloberdanz Oilfield Services pressure truck with Alan Merrinan operating.

E W Thomas representing Ritchie Exploration Inc.

Took less than a bbl. fluid to top off casing. Pressured to 400#. After about 5 minutes, noticed that the chart was not turning. Replaced chart and monitored for an additional 15 minutes.



AMERICAN METER

CHART NO. *MP 2500 J*

05-19-14

CHART PUT ON
9:50

TAKEN OFF
10:05

LOCATION
Relieve Trip

REMARKS
Passed Cowels #4

SINGER
AMERICAN METER DIVISION

SUNDAY
12 3

TUESDAY
3 12 9

WEDNESDAY
3 12 9