

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

MAY 11 2011

SUBMIT IN TRIPLICATE - Other instructions on page 2

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.

SF-077764

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Schumacher 12

9. API Well No.

30-045-09441

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources repaired the casing leak in the Schumacher #12 on April 22, 2011. The leak was detected from 3707'-3797'. A composite plug was set at 7200' and a cement retainer was set at 3676'. 370 sx of Class G cement was squeezed into leak at a max pressure of 650psi. After drilling out cement plug, pressured up to 800psi to test squeeze. Immediately bled down to 400 psi in 4 min, 360 psi in 10 min then held at 350 psi for 45 minutes. Spot 3.74 bbls of Type III with .2% Halad-322 & .1% HR-5 in a balanced plug. Hesitate cement into leaks in 1/2 bbl increments over 1.25 hrs. Max pressure=950psi, left pressure on plug overnight. Drill out plug and pressure test to 800psi, bled down to 320psi after 10 minutes. Circulate hole clean. Set another composite bridge plug at 3840'. Spot 4.57 bbls of 50/50 poz type III with .2% halad-344 & .1% versaset in a balanced plug. Hesitate 1.5 bbls into leaks at 1/2bbl increments over 45 min, building up to 1025psi. Shut in well with 950psi. Drill out plug and pressure test to 520 psi, bled down to 430psi in 5 min then hold solid at 400psi. Circulate hole clean. Spot 4.13 bbls of Class G cement with .2% KCL, .2% CFR-3 in a balanced plug. Hesitate 1.1 bbls of cement into leak over 45 min at a max pressure of 1000psi. Shut well in with 970 psi. Drill out plug and pressure test to 500 psi. Bled down to 400psi, then hold at 400psi for 1 hr. Circulate hole clean and swab off fluid. Spoke to Jim Lavato and Steve Mason at BLM on 4/26/2011 and got approval to procede with returning well to production. Drill out plugs, pump small acid clean up, swab well and return to production.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Adam Klen

Title District Engineer

Signature

Date 5/6/2011

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

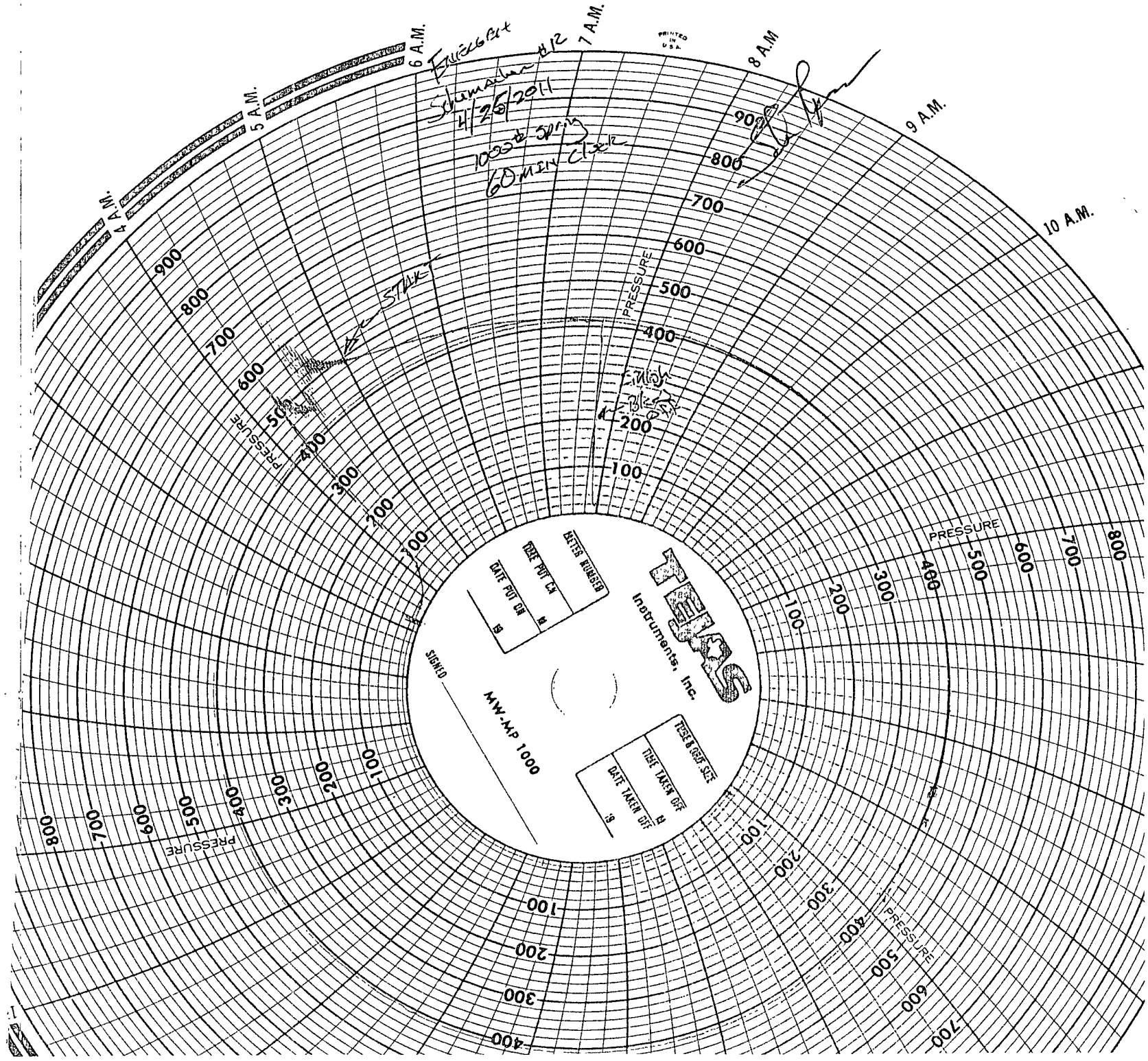
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Office

FARMINGTON FIELD OFFICE

NMOCD



6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.

Friction Box
Simulation #12
4/25/2011
10000 Spring
60 MIN CLK

DATE TAKEN
TIME TAKEN
PRESSURE

DATE TAKEN
TIME TAKEN
PRESSURE

TELES
Instruments, Inc.

MM-WP 1000

DATE TAKEN
TIME TAKEN
PRESSURE