

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: November 30, 2000

**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.*

RECEIVED  
SEP 10 10 10 AM  
FARMINGTON NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. TONKIN FEDERAL #1
2. Name of Operator Thompson Engineering & Prod. Corp.	9. API Well No. 30-045-06323
3a. Address 7415 East Main St. Farmington, NM 87402	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
3b. Phone No. (include area code) (505) 327-4892	11. County or Parish, State SAN JUAN, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 790' FSL & 790' FEL Sec. 23, T27N, R12W	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<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 date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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 site is ready for final inspection.)

Thompson Engineering & Production Corp. are assuming operations effective July 1st, 2005 on the Tonkin Federal #1 from Little oil & Gas Co.  
The intent is to plugback the Dakota formation and recompleat in the Basin Fruitland Coal per the attached procedure.



Cancel P-A Permit

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Paul C. Thompson, P.E.	Title Agent/Engineer
Signature <i>Paul C. Thompson</i>	Date September 8, 2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Original Signed: Stephen Mason	Title	Date DEC 01 2005
Approved by	Office	

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 operation thereon.

Title 18 U.C.S. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCB

**Thompson Engineering and Production**

**Workover Prognosis for  
Thompson Engineering  
Tonkin Federal #1**

Location: SE/4 Sec 23 T27N R12W  
San Juan County, NM

Date: August 23, 2005

Field: Basin Dakota - Fruitland Coal  
Surface: NAPI - Navajo  
Minerals: Federal NM 02691  
API #: 30-045-06323

Elev: GL 5961'  
KB 5973'  
DK Perfs: 6074' - 6112'  
PBSD: 2137' KB

**Objective:** Abandon the Dakota and re-complete the well in the Fruitland Coal.

**Procedure:**

1. Check for, and set if necessary, rig anchors. Dig, line, and fence, a workover pit. Move on location and RU completion rig. Hold safety meeting and explain the procedure to the rig crew. NU 2-3/8" relief line to the pit and blow the well down. Kill the well with water if necessary. Nipple down the wellhead and nipple up the BOP.
2. Pull on the tubing and release the Model R-3 packer set at 5072'. Tally out of the hole with 194 jts of 2-3/8" tubing. Lay down the packer. Visually inspect the tubing and replace any bad joints.
3. **Plug #1 (Dakota perforations and top, 6024' - 5924')**: TIH and set a 5-1/2" cement retainer at 6024'. Pressure test the tubing to 1000 psi. Load the casing and pressure test to 500 psi. Casing may not test due to old casing leaks. Mix 17 sx (20 cu.ft.) of C1 "B" cement and spot a balanced plug inside the casing above the cement retainer to isolate the Dakota perforations and top. POH to 5103'.
4. **Plug #2 (Gallup top, 5103 - 5003)**: Mix 17 sx (20 cu.ft.) of C1 "B" cement and spot a balanced plug inside the casing to cover the Gallup top. POH to 4000' and WOC 3 hrs. TIH and tag cement top. TOH.
5. **Plug #3 (Mesa Verde top, 2413' - 2313')**: Set a 5-1/2" CIBP on tubing at 2413'. Pressure test the casing to 500 psi. Mix 21 sx (25 cu.ft.) of C1 "B" cement and spot a balanced plug inside the casing to cover the Mesa Verde top. TOH.
6. Run a cased hole neutron/GR log across the PC and Fruitland Coal (1650 - 1350) and a CBL from the top of the cement inside the casing to the cement top outside the casing. If there is no cement outside the casing from 1520' to 1110', then shoot two squeeze holes where appropriate and attempt to circulate the bradenhead. Set a 5-1/2" packer 200' above the

squeeze holes and pump enough cement to circulate the bradenhead and leave 50' of cement inside the casing above the squeeze holes. Release the packer and reverse circulate the casing clean. Reset the packer and Pressure up on the squeeze to 1000 psi. WOC overnight.

7. If the squeeze holes were above 1650', pick up a 4-3/4" blade bit on 2-3/8" tubing and drill the cement in the casing. Pressure test the squeeze to 3500 psi. Re-squeeze if necessary. TOH.
8. If the squeeze holes are below 1650' and not covered with cement, TIH and set a 5-1/2" RBP at 1650'. Spot 5 gal of sand on the RBP. TOH. Rig down and release the rig.
9. Set and fill three frac tanks with 2% KCl water. Install a 5000 psi frac valve. Perforate the lower Basin Fruitland Coal from 1455 - 1467' at 3 spf for a total of 36 (0.34") holes. Frac the lower coals with 60,000# of 20/40 Brady sand at 1 - 4 ppg in a 20# cross-linked gel and nitrogen foam fluid.
10. Set a composite frac plug at approximately 1485'. Perforate the upper Fruitland Coals at 1375 - 78' and 1418 - 23' at 3 spf for a total of 24 (0.34") holes. Depths refer to the cased-hole neutron log. Frac the upper coals with 35,000# of 20/40 Brady sand at 1 - 4 ppg in a 20# cross-linked gel and nitrogen foam fluid.
11. Flow the well back through a 3/4" choke until it dies.
12. Move in a completion rig and clean out sand. Retrieve the RBP if present. Land the 2-3/8" tubing so the seating nipple is below the bottom perf. Run a 2" X 1-1/2" X 12' RWAC pump on 3/4" rods. Install a pump jack and produced water tanks. Return the well to production.

Paul C. Thompson, P.E.