

Form 3160-5  
(August 1999)

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.*

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

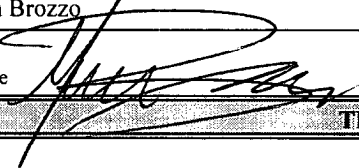
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TSAH TAH 34 #3
2. Name of Operator ROSETTA RESOURCES		9. API Well No. 30-045-33618
3a. Address c/o Walsh Engineering & Production Corp. 7415 East Main St. Farmington, NM 87402	3b. Phone No. (include area code) (505) 327-4892	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1054' FSL & 1263' FWL SEC 34 T25N R10W		11. County or Parish, State San Juan, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" 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 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 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.)

Rosetta Resources has fraced the above well on 01/08/07 per the attached treatment report.

14. I hereby certify that the foregoing is true and correct		
Name (Printed/Typed) Gwen Brozzo	Title Production Clerk	
Signature 	Date March 19, 2007	
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
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 operation thereon.	Office	<b>ACCEPTED FOR RECORD</b>
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.		

MAR 22 2007

FARMINGTON FIELD OFFICE

NWOCOD

**FRACTURE TREATMENT REPORT**

**Operator:** Rosetta Resources **Well Name:** Tsah Tah 34 #3  
**Date:** 8-Jan-07  
**Field:** Basin Fruitland Coal **Location:** 34/25N/10W **County:** San Juan **State:** NM  
**Stimulation Company:** Blue Jet & Key PPS **Supervisor:** Paul Thompson

**Stage #:** 1/1 **Fruitland Coal**

**Sand on location:** **Design:** 55,000# **Weight ticket:** 55,160 **Size/type:** 20/40 Brady

**Fluid on location :** **No. of Tanks:** 3 **Strap:** 20' **Amount:** 1200 **Usable:** 1080 bbls

**Perforations:**  
**Depth:** 1427, 1455, 1580-82, 1590-91 **Total Holes:** 60 **PBTD:** 1838' KB  
1656-69  
**Shots per foot:** 3 **EHD:** 0.34"

**Breakdown:**  
**Acid:** 500 gal of 7-1/2% HCl **Formation broke at 1540 psi**  
**Balls:** None  
**Pressure:** 552 psi **Rate:** 4.98 BPM

**Stimulation:**  
**ATP:** 1050 psi **AIR:** 12 BPM  
**MTP:** 1360 psi **MIR:** 12.6 BPM

	Sand Stage	Pressure	Rate	BHTP
ISIP: 900	pad	1120	13.3	1761
5 min: 835	0.5 ppg	1162	13.2	1778
10 min: 958	1 ppg	1136	13.4	1793
15 min: 954	2 ppg	1126	13.3	1820
	3 ppg	1104	13.4	1832
	4 ppg	1036	13.5	1803
	5 ppg	1034	13.5	1786

**Job Complete at:** 1400 hrs. **Date:** 1/8/2007 **Start flow back:** SI  
**Total Fluid Pumped:** 747 bbls  
**Total Sand Pumped:** 55,000# **Total Sand on Formation:** 55,000#  
**Total Nitrogen Pumped:** None

**Notes:**

All frac fluid was produced water with biocide and contained 20#/1000 gal guar gel, borate crosslinker, surfactant, mutual solvent, enzyme and oxidizer breakers. The Nolte plot was positive during the pad and through the 3 ppg stage, then was relatively flat through the rest of the job. Flushed the sand to 1427' with 22.5 bbls of water. The frac gradient based on the ISIP was 0.98 psi/ft.