

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RCVD DEC 12 '06
OIL CONS. DIV.
DIST. 3

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	2. Name of Operator ROSETTA RESOURCES C/O WALSH ENGINEERING & PRODUCTION CORP.	3a. Address c/o Walsh Engineering & Production Corp. 7415 East Main St. Farmington, NM 87402	3b. Phone No. (include area code) (505) 327-4892	5. Lease Serial No. NMNM-112957	6. If Indian, Allottee or Tribe Name	7. If Unit or CA/Agreement, Name and/or No.	8. Well Name and No. TSAH TAH 34#4	9. API Well No. 30-045-33711	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL	11. County or Parish, State San Juan, New Mexico
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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 recomplete 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 site is ready for final inspection.)

ROSETTA RESOURCES FRACED THE TSAH TAH 34 #4 ON 11/16/06 PER THE ATTACHED REPORT.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Paul C. Thompson, P.E.	Title ENGINEER / AGENT
Signature <i>Paul C. Thompson</i>	Date NOVEMBER 28, 2006

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 operation thereon.	Office	

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.

ACCEPTED FOR RECORD

DEC 08 2006

NMOCDC

FARMINGTON FIELD OFFICE

FRACTURE TREATMENT REPORT

Operator: Rosetta Resources Well Name: Tsah Tah 34 #4
Date: 16-Nov-06
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: 2,500# & 55,000# Weight ticket: 2,600# & 56,000# Size/type: 40/70 Arizona & 20/40 Brady

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

Perforations:

Depth: 1392, 1453, 1501, & 1532 @ 1 spf Total Holes: 43 PBTD: 1872' KB
1641 - 1654 @ 3 spf
Shots per foot: EHD: 0.34"

Breakdown:

Acid: 500 gal of 7-1/2% HCl Formation roke at 1495 psi
Balls: None
Pressure: Rate:

Stimulation:

ATP: 1400 psi AIR: 20.4 BPM
MTP: 1495 psi MIR: 20.7 BPM

		Sand Stage	Pressure	Rate	BHTP
		pad	1442	20.4	1886
ISIP: 830	40/70	0.5 ppg	1463	20.5	1924
5 min: 547		1 ppg	1423	20.1	1921
10 min: 444		2 ppg	1407	20.4	1940
15 min: 299		3 ppg	1339	20.4	1922
		4 ppg	1333	20.2	1886
		4 ppg	1239	20.2	1817

Job Complete at: 1245 hrs. Date: 11/16/2006 Start flow back: 1415 hrs
Total Fluid Pumped: 860 bbls well was on a vacuum
Total Sand Pumped: 2,500# & 55,000# Total Sand on Formation: 57,500#
Total Nitrogen Pumped:

Notes:

All frac fluid was a mixture of fresh and produced water biocide and contained 20#/1000 gal guar gel, borate crosslinker, surfactant, enzyme and encapsulated breakers. All 20/40 sand was tagged with Ir 192. The Nolte plot was positive to flat until the 4 ppg stage when it started to decline slightly. Flushed the sand to 1541' with 24.5 bbls of water. The frac gradient based on the ISIP was 0.95 psi/ft.