Form 3160-5 (August 1999)

TYPE OF SUBMISSION

Subsequent Report

Final Abandonment Notice

☐ Notice of Intent

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

☐ Acidize

Alter Casing

Casing Repair

Change Plans

Convert to Injection

FORM APPROVED Budget Bureau No. 1004-0135

Expires: November 30, 2000

Lease Serial No. NM - 002691

If Indian, Allottee or Tribe Name

	abandoned well. Use Form 3160-	7.	If Unit or CA/Agreement, Name and/or No.	
	SUBMIT IN TRIPLICATE - Other			
1.	Type of Well		8.	Well Name and No.
	☐ Oil Well ☐ Gas Well ☐ G	Other	i	TONKIN FEDERAL #1
2.	Name of Operator		9.	API Well No.
	Thompson Engineering & Prod. Corp.			30-045-06323
3a.	Address	3b. Phone No. (include area code)	10	Field and Pool, or Exploratory Area
	7415 East Main St. Farmington, NM 87402	(505) 327-4892	L	BASIN FRUITLAND COAL
4.	Location of Well (Footage, Sec., T., R., M., or Survey Desc	cription)	11	. County or Parish, State
	790' FSL & 790' FEL Sec. 23, T27N, R12W		1	SAN JUAN, NM
12.	CHECK APPROPRIATE BOX	K(ES) TO INDICATE NATURE OF NOTICE, I	RE	PORT, OR OTHER DATA

TYPE OF ACTION

Production (Start/Resume)

Temporarily Abandon

Reclamation

Recomplete

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.)

Plug Back

☐ Deepen

Fracture Treat

New Construction

☐ Plug and Abandon

On 12/07/05 the above well was Fraced per the attached treatment reports,

☐ Water Shut-Off

☐ Well Integrity

Other

14. I hereby certify that the foregoing is true and correct			
Name (Printed/Typed)	1		
Gwen Brozzo	Title	Production Technician	
Signature Washington	Date	December 9, 2005	
THIS SPACE FOR FEDE	RAL OR ST	PATE OFFICE USE	
Approved by	Title	ACCEPTED FOR RECORD	
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	DEC 1 3 2005	
Title 18 LLC S. Section 1001 and Title 43 LLS C. Section 1212 makes it a crime for any person	knowingly and y		

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



FRACTURE TREATMENT REPORT

	: Inompsor	Engineering			weii name:		i onkin Fe	derai#i		
Date:	8-Dec-05									
Field:	W. Kutz P			Location:	23/27N/12W	County:	San Juan		NM	
Stimulation	on Compan	y: Key & Precisio	n		Supervisor:		Paul Thon	npson		
Stage #:	3/3	Upper Fruitland	Coals							
Sand on	location:	Design:	20,000#		Weight tick	et: 20,540#		Size/type:	20/40 Brady	
Fluid on	location :	No. of Tanks:	3	•	Strap:		_Amount:		Usable:	
Perforat	lions:	Depth:	1417 - 22			Total Holes	-: 1 6		PBTD:	14251 VO
		•			•	TOTAL FIGURES		-	PBID:	1435' KB Frac Plug
		Shots per foot:	3 spf			EHD:	0.42"	-		
Breakdo	own:	Acid:						Could not br	eak down the fo	ormation at 3200 psi.
		Balls:			•			•		·
		Pressure:		·	Rate:	 	-			
Stimulat	tion:									
		ATP:			AIR:	·		•		
		MTP:			MIR:			•		
					Sand Stage	Pressure	Rate	N ₂ Quality	ВНТР	
	10/0				pad					
	ISIP:				1.0 ppg 20/40					
	5 min:				2 ppg					
	10 min:				3 ppg					
	15 min:	-			4 ppg					
	Job Comp	lete at:	1715	hrs.	Date:	12/8/2005	Start flow	w back:	1815 hrs	
	Total Fluid	Pumped:	10 bbls						with 600 psi	
	Total Sand	Pumped:	0	· · · · · · · · · · · · · · · · · · ·	Total Sand o	n Formatio	n:	. 0	1	-
	Total Nitro	gen Pumped:					•			
Notes:	··········									

Loaded the hole but could not break down the formation at 3000 psi. Let the pressure drop to 2000 psi and tried to pump again. Pressure rapidly rose to 3000 psi. Surged the well back to the pit to 600 psi. Tried to pump again but could not establish an injection rate at 3,200 psi. Released frac crew.

FRACTURE TREATMENT REPORT

Operator: Thompson Engineering			Well Name:		Tonkin Federal #1					
Date:	8-Dec-05									
Field:	W. Kutz PC	& BFtC	Location:	23/27N/12W	County:	San Juan	State:	NM		
Stimulation	on Company	r: Key & Precisio	n	Supervisor:		Paul Thon	npson			
Stage #:	2/3	Lower Fruitland	Coal							
Sand on	location:	Design:	60,000#	_Weight tick	et: 60,400#		Size/type:	20/40 Brady		
Fluid on	location :	No. of Tanks:	3	Strap:		Amount:		Usable:		
Perforat	ions:	Depth:	1452 - 65	-	Total Holes	: 39	-	PBTD:	1523' KB	
		Shots per foot:	3 spf	-	EHD:	0.42"	-		Frac Plug	
Breakdo	: cnw	Acid:	500 gai 15% HCI	-				ure was 675 ps break. 4.6 BPM		
		Balls:	None	-			Pressure in	creased to 2960 to 840 psi during	psi then	
		Pressure:	1218 psi	Rate:	4.2 BPM			nt. No break wit		
Stimulat	ion:									
		ATP:	1300 psi	_ AIR:	20.4 BPM		•			
		MTP:	2960 psi	MIR:	20.8 BPM		•			
				Sand Stage	Pressure	Rate	N ₂ Quality		-	
				pad	1400	20.4	7		2	
	ISIP:	902	•	1.0 ppg 20/40	1430	20.3	. 7	1 1676	3	
	5 min:	715	1	2 ppg	1330	20.4	7	1 1623	3	
	10 min:	690	•	3 ppg	1260	20.2	6	5 1590)	
	15 min:	673		4 ppg	1220	20.7	· 62	2 1606	3	
		1545 hrs. 240.3 bbis	Date:	12/8/2005	Start flow	w back:	1815 hrs with 600 psi			
	Total Sand		60,000#	· Total Sand c	on Formation	:	60,000#	#		
	Total Nitrog	en Pumped:	222,046 SCF							

Notes:

All frac fluid was produced water with biocide and contained 20#/1000 gal guar gel, crosslinker, surfactant, and enzyme and oxidizer breakers. Nolte plot was slightly negative after the big break during the acid stage. Frac gradient based on the ISIP was 1.03 psi/ft.

FRACTURE TREATMENT REPORT

Operator:	Thompson	Engineering		Well Name	:	Tonkin Fed	eral #1		
Date:	8-Dec-05								
Field:	W. Kutz PC	y: Key & Precision	Location	: 23/27N/12W Supervisor	County:	San Juan Paul Thomp		NM	
Junioralia		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Ouperviso.	<u> </u>	T dur Trioning	30011		
Stage #:	1/3	Pictured Cliffs							
Sand on	location:	Design	50,000#	Weight tick	et: 50,040#		Size/type:	20/40 Brad	lv
J	10044011.	Design.	30,000#				oizeitype.	20/40 10/40	
Fluid on	location :	No. of Tanks:	3	Strap:	20	Amount:	1200	_Usable:	1080
	L ength Carlotte						Tree with a relative to		
Perforat	ions:	Depth:	1562 - 80 & 1610 - 18	3	Total Holes	: 26		PBTD:	2100'
		ocpan.	7002 00 0 10 70 11	<u>-</u>	, , , , , , , , , , , , , , , , , , , ,			10.0.	Loggers TD
		Shots per foot:	1 spf	_	EHD:	0.34"			
Breakdo	wn:								
		Acid:	500 gal 15% HCl	_			Break at 15	00 psi	
		Balls:	40 7/9" (4.2 ap au)					ction but not	a
		Dalis.	40 7/8" (1.3 sp.gv)	-			complete ba Recover 39	balls. Hard t	o discern
		Pressure:	1500 psi	Rate	: 5 BPM		hits.		
Stimulat	ion•								
Juniolai	.011.								
		ATP:	1250 psi	_ AIR	:30 BPM				
		MTP:	1320 psi	MIR	: 30.8 BPM				
								u i no communicación nom en actuar una cida	artor 200%
				Sand Stage	Pressure	Rate	N ₂ Quality		
	ioin.	740		pad	1313		7		595
	ISIP:	716	•	1.0 ppg 20/40			7		527
	5 min:	610	•	2 ppg	1160	29.7	7		506
	10 min:	591	•	3 ppg	1100		6		509
	15 min:	574	•	4 ppg	1040	30.8	6	0 1	497
	lah 0		4440	5.4	40/0/000			40451	
Job Complete at: Total Fluid Pumped: Total Sand Pumped:			1140hrs.	Date: 12/8/2005		Start flow	back:	1815 hrs with 600 ps	i
			187.8 bbis	_				with ood par	
			50,000#	Total Sand	on Formation	n·	50,000#	£	
		- annews			J., , J. III au	_	30,000		
Total Nitrogen Pumped:			145,117 SCF						

Notes:

All frac fluid was produced water with biocide and contained 20#/1000 gal guar gel, crosslinker, surfactant, and enzyme and oxidizer breakers. Nolte plot was slightly negative throughout the job. Frac gradient based on the ISIP was 0.83 psi/ft. Took four hours to thaw out the frac valve. Temperature at 0700 hrs was -5 °F.