Submit 3 Copies To Appropriate District Office	State of New Me Energy, Minerals and Natu		Form C-103 May 27, 2004				
. District. 1625 N French Dr., Hobbs, NM 88240	Ellergy, Millerals and Natu	WELL API NO.					
District II	OIL CONSERVATION	DIVISION	30-045-33931				
1301 W Grand Avc, Artesia, NM 88210 District III	1220 South St. Fran	i	5. Indicate Type of Lease				
1000 Rio Brazos Rd, Aztec, NM 87410	Santa Fe, NM 8		STATE FEE S	ي آويز ۱۸ و			
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa 1 C, IVIVI 6	7305	6. State Oil & Gas Lease No.	Hope .			
SUNDRY NOT (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLI	ICES AND REPORTS ON WELLS ISALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) FO	UG BACK TO A	7. Lease Name or Unit Agreement Name: 3 THOMAS				
PROPOSALS)  1. Type of Well: Oil Well	Gas Well 🛛 Other		8. Well Number #100				
2. Name of Operator Thompson Engineering & Prod. C	orn		9. OGRID Number 37581				
3. Address of Operator	oip.		10. Pool name or Wildcat				
7415 East Main Street, Farmington	ı, NM 87402		BASIN FC & FULCHER KUTZ PC				
4. Well Location	South						
Unit Letter L: 1980'	<del>-</del> -	d 985' feet from	the West line				
Section 30 Township	1936N Range IIW N	<b>ЛРМ</b> Соц	inty San Juan				
	11. Elevation (Show whether DR 5376' GL						
Pit or Below-grade Tank Application	or Closure						
Pit type Depth to Groundwater	Distance from nearest fresh water well	Distance fro	m nearest surface water				
Pit Liner Thickness: mil	Below-Grade Tank: Volume bl	ols; Construction M	aterial				
12. Check	Appropriate Box to Indicate N	lature of Notice, 1	Report or Other Data				
NOTICE OF IN	ITENTION TO:	SUBS	SEQUENT REPORT OF:				
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK					
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS.☐ P AND A							
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB 🖂				
OTHER:		OTHER: Frac Trea	atment Report				
13. Describe proposed or comp		pertinent details, and	give pertinent dates, including estimated date ach wellbore diagram of proposed completion				
or recompletion.							
On 12/11/06 Thompson Engir	neering & Prod. Corp. fraced t	he above well pe	r the attached treatment reports.				
I hereby certify that the information grade tank has been/will be constructed or	above is true and complete to the b	est of my knowledge	e and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan				
B	the state of the s	a, a general permit	or an (assacaed) anci trative OCD-approved plati				
	1						
SIGNATURE Tau C.	harpsTITLE	Engineer/ President	DATE 12/18/06				
Type or print name Paul C. Thomp	oson, P.E. E-mail address:	paul@walsheng.net	Telephone No. 505-327-4892				
// /- 0	•	am a car fairt	SECTOR DIST. #3 DEC O 1 2006	R			
APPROVED BY: \(\frac{1}{2} \) \(\frac{1}{2} \) Conditions of Approval (if any):	hweva TITLE**	UTY OIL & GAS INSP	DATE DEC 2 1 2006				
·							

## FRACTURE TREATMENT REPORT

Operator:	Thompson	Engineering			Well Name	e:	Thomas #	100			
Date:	11-Dec-06								·		
Field:		tz PC & Basin FT		.ocation:	30/29N/11W		San Juan		co		
Stimulation	on Company	y: Blue Jet and F	(ey PPS		Superviso	r:	Paul Thor	npson			
Stage #:	1/3	Pictured Cliffs		-4. <b>O</b> I -	4:	11,980#	0:	40/70 Arizo			
Sand	Design:	40,000#	-Weight tick	et: On Lo	cation	130,160#	Size/type:	20/40 Brad	у		
Fluid on	location :	No. of Tanks:	3		Strap:	20'	Amount:	1,200	Usab	le:	1,080
	ione de la company	Depth:	1442, 45, 46 56, 60, 61, 6	, 47, 49,	_	Total Holes	: 15		PBT	D: <u>16</u> 3	34' K
		Shots per foot:			- -	EHD:	34"	-			
Ejerköc	Wife	Acid:	None			Comments: Well roke at ap		400 psi			
		Balls:	None	-	-		,	,			
		Pressure:			_ Rate:						
								an a	ern in ering		
Sumula	ion:	in a	effort a par			erineria.	4				
		ATP:	1500 psi		_ AIR:	31.5 BPM		-			
		MTP:	2400 psi		MIR:	45 BPM		_			
					Salt Shell		jar-fyr	ayz Quality			
					pad	1514	31	7	70	1872	
	ISIP:	756			0.5 ppg	1505	32.6		88	1772	
	5 min:	****	•		1 ppg	1515				1767	
	10 min:		•			1467				1733	
			•		2 ppg	ľ					
	15 min:	630	•		3 ppg	1440			72	1758	
					4 ppg	1400	31	7	71	1773	
	Job Comp	lete at:	0915h	ırs.	Date:	12/11/2006	Start flo	w back:	SI we	ll - dead.	
	Total Fluid	l Pumped:	226 bbls		-						
	Total Sand	l Pumped:	40,000#		_Total Sand	d on Format	ion:	40,000	#		
	Total Nitro	gen Pumped:	163,902 SCF	=							
Notes: All frac i mutual s	fluid was fr solvent, enz	esh water with 2 zyme and oxidiz	2% KCl, bioder breakers.	cide, 20# The frac	#/1000 gal g gradient ba	guar gel, bor	rate crossli ISIP was .	inker, foam 91 psi/ft.	er, surf	actant,	

Signature Paul Thompson

## FRACTURE TREATMENT REPORT

Operator:	: Thompson Engineering				Well Name	): 	Thomas #100				
Date:	15-Dec-06										
Field:		tz PC & Basin FT		Location:	30/29N/11W		San Juan		CO		
Stimulatio	n Company	y: Blue Jet and k	(ey PPS		Superviso	r:	Paul Thorr	pson			
Stage #: Sand	2/3 Design:	Lower Fruitland 6 5,000 & 45,000#		ket: On I o	cation		Size/tyne:	40/70 Arizo 20/40 Brady			
Janu	Dealgii.		· · · · · · · · · · · · · · · · · · ·	KCL. OII EO	oudon.		Oize/type.	20/40 0/40		•	
Fluid on	location :	No. of Tanks:	3		Strap:	19', 18', 12'	Amount:	980	_Usable:	860	
The co	toišat 🐃	Depth:	1393-95, 1	416-26, 143	30-32	Total Holes	: 42	11	PBTD:	1437' KB 2nd plug	
		Shots per foot:	3			EHD:	.34"	•	PT to 3500		
Grave	wii.	Acid:	None		HI THE	Comments:					
		Balls:	None	<del></del>	•	110 0511003 510					
		Pressure:			Rate:			-			
Simula	iops St.					(inc.	(1) (1) (1)		judis karija	****	
		ATP:	1500 psi		AIR:	19 BPM		-			
		MTP:	1900 psi		MiR:	21 BPM		-			
					Serve Compo	Preschille					
					pad	1900	19.6	7	0 2096		
	ISIP:	827	•		0.5 ppg	1760	20 7	7	0 2033		
	5 min:	680	•		1 ppg	1628	20.2	! 7	0 1891		
	10 min:	644	•		2 ppg	1545	20.8	7	0 1862		
	15 min:	632			3 ppg	1410	18.3	7	0 1780		
		<u> </u>			4 ppg	1417	17.6	7	3 1750		
	Job Comp		1150	hrs.	Date:	12/15/2006	Start flo	w back:	1200 hrs 1		
	Total Fluid	l Pumped:	292 bbls		•						
Total Sand Pumped:		5,000# & 4	5,000#	Total Sand on Forma		ion:	50,000#	<u> </u>			
	Total Nitro	gen Pumped:	298,885								
		resh water with 2 zyme and oxidiz									

All frac fluid was fresh water with 2% KCl, blocide, 20#/1000 gal guar gel, borate crosslinker, foamer, surfactant, mutual solvent, enzyme and oxidizer breakers. The frac gradient based on the ISIP was 1.16 psi/ft. Lowered the injection rate during the 3 ppg stage due to a negative Nolte plot. The Nolte plot was slightly negative for all of the sand stages.

Signature Paul Thompson

## FRACTURE TREATMENT REPORT

Depth:   1163-66, 1185, 1190, 1218,   Total Holes: 60   PBTD:   1370' KE   1230-32, 1283-93, 1303-05   Shots per foot:   3   EHD:   .34"   Slight leak 100 #/mir   Steakdown   Acid:   None   Comments:   Formation broke at 2260 psi   Pressure:   Rate:	Operator:	r: Thompson Engineering			Well Name:			Thomas #				
Stimulation Company: Blue Jet and Key PPS   Supervisor:   Paul Thompson												
Stage #: 3/3   Upper coals   40/70 Arizona   20/40 Brady   20/40 Brady					Location:					CO		
Sand   Design:   5,000 & 45,000#   Weight ticket: On Location   Size/type: 20/40 Brady	Stimulatio	on Company	: Blue Jet and F	ey PPS		Superviso	r:	Paul Inon	npson			
Petitorations   No. of Tanks:   2   Strap:   9.5' & 10'   Amount:   570   Usable:   49	_		• •									
Depth:     1163-66,   1165,   1190,   1218,	Sand	Design:	5,000 & 45,000#	Weight ticket: On Locatio				Size/type:	20/40 Brad	Т		
Depth:   1163-66, 1185, 1190, 1218,   Total Holes: 60	Fluid on	location :	No. of Tanks:	2	-	Strap:	9.5' & 10'	_Amount:	570	Usa	ble:	490
Shots per foot: 3							Total Holes	s: 60			_	
Acid:   None   Comments:   Formation broke at 2280 psi			Shots per foot:		1283-93, 13	03-05 •	EHD:	.34"	-			
Pressure:   Rate:	Excenter	N. 111 E. S. 18	Acid:	None		internation	Comments	enero E	<b>等地</b>			
ATP:   1500 psi   AIR:   17 BPM			Balls:	None	1	-	Formation bro	ke at 2260 psi	İ			
ATP: 1500 psi AIR: 17 BPM  MTP: 1160 psi MIR: 17 BPM    100			Pressure:	<del></del>		Rate:			-			
MTP:   1160 psi   MIR:   17 BPM	Stinutia	tone .			111							
Sand State   Price   Pad   1665   17.1   70   1921   1921   1920   1690   17.3   70   1874   1921   1922   1 ppg   1568   17   71   1855   10 min:   1295   2 ppg   1486   17.2   70   1811   15 min:   1289   3 ppg   1450   17.1   71   1816   4 ppg   1430   16.9   70   1802   10 min:   1289   1545   hrs.   Date:   12/15/2006   Start flow back:   1200 hrs 12/16/06   With 1070 psi   10 min:   1289   10 min:   1289   1430   16.9   70   1802   10 min:   1289   1430   16.9   70   1802   1200 hrs 12/16/06			ATP:	1500 ps	<u></u>	AIR:	17 BPM		-			
Date			MTP:	1160 ps	<u> </u>	MIR:	17 BPM	<u> </u>	-			
ISIP:   1200   1600   17 3   70   1874   1875   16 min:   1292   1 ppg   1568   17   71   1855   10 min:   1295   2 ppg   1486   17.2   70   1811   15 min:   1289   3 ppg   1450   17.1   71   1816   4 ppg   1430   16.9   70   1802   16.9   Total Fluid Pumped:   275 bbls   Total Sand Pumped:   5,000# & 45,000#   Total Sand on Formation:   50,000#   50,000#   16.9   50,000#   16.9   70   1802   16.9   70   18						Sano Grage	Presidure	Giggs	NZ acelly/			
5 min:       1292       1 ppg       1568       17       71       1855         10 min:       1295       2 ppg       1486       17.2       70       1811         15 min:       1289       3 ppg       1450       17.1       71       1816         4 ppg       1430       16.9       70       1802     Job Complete at:  Date: 12/15/2006 Start flow back: 1200 hrs 12/16/06 with 1070 psi  Total Fluid Pumped: 275 bbls  Total Sand Pumped: 5,000# & 45,000# Total Sand on Formation: 50,000#						pad	1665	17.1	1	70	1921	
10 min: 1295       2 ppg       1486       17.2       70       1811         15 min: 1289       3 ppg       1450       17.1       71       1816         4 ppg       1430       16.9       70       1802     Job Complete at: 1545 hrs. Date: 12/15/2006 Start flow back: 1200 hrs 12/16/06 with 1070 psi  Total Fluid Pumped: 275 bbls  Total Sand Pumped: 5,000# & 45,000# Total Sand on Formation: 50,000#		ISIP:	1200			0.5 ppg	1600	17 3	3	70	1874	
3 ppg		5 min:	1292			1 ppg	1568	3 17	,	71	1855	
Job Complete at:         1545 hrs.         Date:         12/15/2006 12/15/2006 Start flow back:         1200 hrs 12/16/06 with 1070 psi           Total Fluid Pumped:         275 bbls         Total Sand Pumped:         5,000# & 45,000#         Total Sand on Formation:         50,000#		10 min:	1295	='		2 ppg	1486	17.2	2	70	1811	
Job Complete at:         1545 hrs.         Date:         12/15/2006   12/15/2006   Start flow back:         1200 hrs 12/16/06   with 1070 psi           Total Fluid Pumped:         275 bbls         Total Sand Pumped:         5,000# & 45,000#   Total Sand on Formation:         50,000#   50,000#		15 min:	1289	•		3 ppg	1450	) 17.1	]	71	1816	
Total Fluid Pumped: 275 bbls with 1070 psi  Total Sand Pumped: 5,000# & 45,000# Total Sand on Formation: 50,000#				•		4 ppg	1430	16.9	)	70	1802	
Total Fluid Pumped: 275 bbls  Total Sand Pumped: 5,000# & 45,000# Total Sand on Formation: 50,000#		Job Comp	lete at:	1545	hrs.	Date:	12/15/2006	Start flo	w back:			6/06
		Total Fluid	Pumped:	275 bbls		-				AA1f[]	ioro psi	
Total Nitrogen Pumped: 262,339 SCF		Total Sand	Pumped:	5,000# & 4	15,000#	Total Sand	d on Format	tion:	50,000	)#		
		Total Nitro	gen Pumped:	262,339 S	CF			_				
Notes:	Notes:							_		<del></del>		

All frac fluid was fresh water with 2% KCl, biocide, 20#/1000 gal guar gel, borate crosslinker, foamer, surfactant, mutual solvent, enzyme and oxidizer breakers. The frac gradient based on the ISIP was 1.33 psi/ft. The Nolte plot was relatively flat throughout the job.

Signature Paul Thompson