			,			
Submit 3 Cop Office	ies To Appropriate District		State of New Me			Form C-103
District I	ch Dr., Hobbs, NM 88240	Energy,	Minerals and Natu	iral Resources	WELL API NO.	June 19, 2008
	id Ave., Artesia, NM 5240	FIVEDC	ONSERVATION	DIVISION	30-025-39448	1
District III		11	220 South St. Fra	ncis Dr.	5. Indicate Type STATE	of Lease
	zos Rd., Aztec, NM 87410		Santa Fe, NM 8	7505	6. State Oil & Ga	
1220 S. St. Fra 87505	ancis Dr., Santa Feirobi	3SOCD			VB 1152	
			PORTS ON WELLS	•	7. Lease Name of	r Unit Agreement Name
	E THIS FORM FOR PROF RESERVOIR. USE "APPI				M D. 9	1 64-44
PROPOSALS	.)		Other		Moore Bailout 1 8. Well Number	
2. Name of	Well: Oil Well 🔀	Gas Well	/ Other		9. OGRID Numb	·
Caza Oper	ating, LLC	/	······································			a for a compared with the second s
	of Operator	Midland Trans	70701		10. Pool name or	
	Loraine, Suite 1550,	wildland, Texas	5 /9/01		Wildcat WO	+camp
4. Well Lo		660 feet	from the NORTH	line and	000 feat fro	om the <u>EAST</u> line
	ction 11		wnship 11 S	Range 32 E		LEA County
			n (Show whether DR,			
			4362 GR	·		
			. <b></b>			
	12. Check A	Appropriate Bo	ox to Indicate Nat	ture of Notice, R	eport or Other D	ata
	NOTICE OF I	NTENTION <sup>-</sup>	ΓO:	SUB	SEQUENT REI	PORT OF:
		-		REMEDIAL WOR		ALTERING CASING
	RILY ABANDON	CHANGE PL MULTIPLE C		COMMENCE DRI		P AND A
				OADING/GEMEN		
OTHER:			<b>L</b> -1	OTHED		r-1
	cribe proposed or com	pleted operation	s. (Clearly state all r	OTHER: pertinent details, and	give pertinent date.	s, including estimated
date	of starting any propos	sed work). SEE	RULE 1103. For M	ultiple Completions	: Attach wellbore d	iagram of proposed
	pletion or recompletion or will Extend the der		luction Intermediate	$a_{a_{a_{a_{a_{a_{a_{a_{a_{a_{a_{a_{a_{a$	After Setting and a	ementing the 7" casing
$(a) \pm 8100 \text{ ft v}$	we will drill a 6.125" h	nole to a total dep	pth of $\pm$ 8700. We w	rill log this portion $c$	of open hole and pul	1 the Neutron/GR to
surface. We	will then plug back us	ing a cement reta	ainer positioned 50 fl	inside the base of t	he 7" casing. We w	vill squeeze open hole
W/ 100 sks Cl APD planned	ass "H" cmt mixed 15 KOP. A Gyro Surve	.6 ppg. Caza wi	Ill set a permanent w	hipstock inside the '	7" casing as to kicke	off as per the original
	ew 7" casing design s			noning.		
	8/6/2009				1	
Spud Date:	8/0/2003		Rig Release Da	te:		
				<b>.</b>		
I hereby certif	y that the information	above is true an	d complete to the be	st of my knowledge	and belief.	
•		A.	1			
SIGNATURE	Kha. 6	() ANT		ations Manager		2000
SIGIMIORE		. Marco	IIILLOpera	ations Manager	DATE <u>08/09</u>	7/2009
	name <u>Richard L. W</u>	right E-	mail address: <u>rwri</u>	ght@cazapetro.co	<u>m</u> PHONE: <u>432 68</u>	2 7424
For State Use	e Only					
APPROVED	A.		PRTROLEUM EI	<b>VGINEE</b> h	DATE AUG	1 4 2009
BY:	2 Tang	TITLE	1,02,010,000,000,000,000	· · · ·	DATE AUG	· · · LVV/
conditions of	Approval (if any):					

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Inte Lea imeto t: based based based based based	ers: on evacua surface	Prod'n <u>New Mexico</u> 9.500 ppg ted pipe. 3,301 psi 0.120 psi/ft	Minimur <u>Collapse</u> Design far <u>Burst:</u> Design far <u>Tension:</u> 8 Round S	ctor ctor STC:	ctors: 1.125 1.10 1.80 (J) 1.80 (J)	Temperatur Minimum se Minimum D Cement top	ered? nperature: e temperature re gradient: ection length: rift: :	0.60 °F/100f	
t: based bated b: udient BHP	ers: on evacua surface	9.500 ppg ated pipe. 3,301 psi 0.120 psi/ft	<u>Collapse</u> Design far <u>Burst:</u> Design far <u>Tension:</u> 8 Round S 8 Round L Buttress:	ctor ctor	1.125 1.10 1.80 (J) 1.80 (J)	H2S consid Surface ten Bottom hole Temperatur Minimum se Minimum D Cement top	ered? nperature: e temperature re gradient: ection length: rift: :	75 °F 123 °F 0.60 °F/100 1,500 ft 6.125 in	
t: based bated e: bdient BHP	on evacua surface	3,301 psi 0.120 psi/ft	<u>Collapse</u> Design far <u>Burst:</u> Design far <u>Tension:</u> 8 Round S 8 Round L Buttress:	ctor ctor	1.125 1.10 1.80 (J) 1.80 (J)	H2S consid Surface ten Bottom hole Temperatur Minimum se Minimum D Cement top	ered? nperature: e temperature re gradient: ection length: rift: :	75 °F 123 °F 0.60 °F/100f 1,500 ft 6.125 in	
oased oated o: idient BHP	surface ::	3,301 psi 0.120 psi/ft	Design far Burst: Design far Tension: 8 Round S 8 Round L Buttress:	ctor ctor STC:	1.10 1.80 (J) 1.80 (J)	Surface ten Bottom hole Temperatur Minimum se Minimum D Cement top	nperature: e temperature re gradient: ection length: rift: :	75 °F 123 °F 0.60 °F/1001 1,500 ft 6.125 in	
e: Idient BHP	::	0.120 psi/ft	Design fac <u>Tension:</u> 8 Round S 8 Round L Buttress:	STC:	1.80 (J) 1.80 (J)	Cement top	:		
e: Idient BHP	::	0.120 psi/ft	<u>Tension:</u> 8 Round S 8 Round L Buttress:	STC:	1.80 (J) 1.80 (J)	•		1,100 K	
Max anticipated surface pressure: 3,301 psi Internal gradient: 0.120 psi/ft Calculated BHP 4,273 psi No backup mud specified.			8 Round STC: 8 Round LTC: Buttress:		1.80 (J) 1.60 (J) 1.50 (J) 1.50 (B) <b>Re subsequent strin</b> Next setting dept		tting depth:	<b>gs:</b> : 8,262 ft	
		Tension is based on buoye Neutral point: 6,94		oyed weight. 6,943 ft			10.000 ppg 4,292 psi 30.000 ppg 8,100 ft 12,623 psi		
nent gth t)	Size (in)	Nominal Weight	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)	
0	7	26.00	P-110	LT&C	8078	8100	6.151	1740.1	
pse	Collapse Strength	Design	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kino)	Tension Strength (Kips)	Tension Design Factor	
g i) )(	th ) ose	th Size (in) ) 7 ose Collapse d Strength	th Size Weight (in) (lbs/ft) ) 7 26.00 ose Collapse Collapse	th Size Weight Grade (in) (lbs/ft) 7 26.00 P-110 ose Collapse Collapse Burst d Strength Design Load	thSizeWeightGradeFinish(in)(lbs/ft)0726.00P-110LT&CoseCollapseCollapseBurstBurstdStrengthDesignLoadStrength	SizeWeight (in)GradeFinish (lbs/ft)Depth (ft)0726.00P-110LT&C80780726.00P-110LT&C807808BurstBurstBurstBurst0StrengthDesignLoadStrengthDesign	thSizeWeight (lbs/ft)GradeFinish (lish dished between degree	thSizeWeight (lbs/ft)GradeFinish (lbs/ft)Depth (ft)Depth (ft)Diameter (in)0726.00P-110LT&C807881006.1510726.00P-110LT&C807881006.15100CollapseBurstBurstBurstTensionTension0StrengthDesignLoadStrengthDesignLoadStrength	

Prepared Richard Wright by: Pillips Phone: 432 682 7424 FAX: 432 682 7425 Date: August 11,2009 Midland, Texas

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Remarks:

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Collapse is based on a vertical depth of 8100 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:		<b>Moore Bailout</b>	11 State # 1			
	Caza Operating, LLC Production: Frac	,				
Location: L	ea County, New Mexico					
Design param <u>Collapse</u>	neters:	Minimum design Collapse:	n factors:	Environment: H2S considered? No		
Mud weight:	10.000 ppg sed on evacuated pipe.	Design factor	1.125	Surface temperature: Bottom hole temperature Temperature gradient: Minimum section length: Minimum Drift:	75 °F 124 °F 0.60 °F/100ft	
		Design factor	1.10	Cement top:	4,100 ft	
<u>Burst</u> Max anticipat pressure:	ed surface 7,288 psi					
Internal gradi Calculated Bl	•	Tension: 8 Round STC: 8 Round LTC:	1.80 (J) 1.80 (J)	Non-directional string.		
No backup m		Buttress: Premium: Body yield:	1.60 (J) 1.50 (J) 1.60 (B)			
19.25	sed on Drg Frac Gradient	Tension is based or Neutral point:	n buoyed weight. 6,878 ft			

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Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (in)	Weight (Ibs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	8100	7	26.00	P-110	LT&C	8100	8100	6.151	84199
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	4208	6230	1.481	8241	9950	1.21	178.8	693	3.88 J

Prepared Richard Wright

Phone: 432 682 7424 FAX: 432 682 7425

Date: August 11,2009 Midland, Texas

Remarks:

by: Pillips

Collapse is based on a vertical depth of 8100 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name <sup>.</sup>		Moore Bailout	11 State # 1			
Operator: String type	Caza Operating, LLC Production: Frac					
Location:	Lea County, New Mexico					
Design para Collapse	meters:	Minimum desigi Collapse:	ı factors:	Environment: H2S considered? No		
Mud weight	t: 10.000 ppg ased on evacuated pipe.	Design factor	1.125	Surface temperature: Bottom hole temperature Temperature gradient: Minimum section length:	75 °F 2: 124 °F 0.60 °F/100ft	
Burst		<u>Burst:</u> Design factor	1.10	Minimum Drift: Cement top:	6.125 in 4,100 ft	
	ated surface					
pressure						
Internal gra Calculated	idient: 0.120 psi/ft	<u>Tension:</u> 8 Round STC: 8 Round LTC:	1.80 (J) 1.80 (J)	Non-directional string.		
No backup	mud specified.	Buttress:	1.60 (J)			
-	•	Premium: Body yield:	1.50 (J) 1.60 (B)			
19.25	ASEd ON PPg FRAC GRAdien	t Tension is based o Neutral point:	n buoyed weight. 6,878 ft			

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8100	7	26.00	P-110	LT&C	8100	8100	6.151	84199
Run Seq 1	Collapse Load (psi) 4208	Collapse Strength (psi) 6230	Collapse Design Factor 1.481	Burst Load (psi) 8241	Burst Strength (psi) 9950	Burst Design Factor 1.21	Tension Load (kips) 178.8	Tension Strength (kips) 693	Tension Design Factor 3.88 J

Prepared Richard Wright by. Pillips Phone: 432 682 7424 FAX: 432 682 7425 Date: August 11,2009 Midland, Texas

Remarks:

Collapse is based on a vertical depth of 8100 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

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Well n				Moore E	Bailout 11	State # 1			
Opera String	_	<b>aza Operat</b> termediate:	ing, LLC Prod'n	- WO	RSE CA	)se			
Locati	on. Le	ea County, I	New Mexico		······································				
Design parameters: Collapse		Minimum design factors:			Environment:				
Collapse   Mud weight: 9.500 ppg   Design is based on evacuated pipe.   Burst   Max anticipated surface   pressure: 3,301 psi   Internal gradient: 0.120 psi/ft   Calculated BHP 4,273 psi   No backup mud specified.			<u>Collapse:</u> Design factor 1.125			H2S considered? No Surface temperature: 75 °F Bottom hole temperature: 123 °F Temperature gradient: 0.60 °F/10 Minimum section length: 1,500 ft			
			<u>Burst:</u> Design factor 1.10		Minimum Drift: 6.125 in Cement top: 4.100 ft		6.125 in 4,100 ft		
			<u>Tension:</u> 8 Round STC: 8 Round LTC: Buttress: Premium: Body yield:		1.80 (J) 1.80 (J) 1.60 (J) 1.50 (J) 1.50 (B)	Non-directional string. Re subsequent strings: Next setting depth: 8,262			
		Tension is based on buoyed we Neutral point: 6,943 fl		ioyed weight. 6,943 ft			10.000 ppg 4,292 psi 30.000 ppg 8,100 ft 12,623 psi		
Run Seq	Segmer Length (ft)		Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8100	7	26.00	P-110	LT&C	8078	8100	6.151	1740.1
Run Seq 1	Collaps Load (psi) 3986	e Collapse Strength (psi) 5879		Burst Load (psi) 4270	Burst Strength (psi) 9950	Burst Design Factor 2.33	Tension Load (Kips) 180	Tension Strength (Kips) 693	Tension Design Factor 3.85 J

**Richard Wright** Prepared by: Pillips

Phone: 432 682 7424 FAX: 432 682 7425

Date. August 11,2009 Midland, Texas

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Remarks: Collapse is based on a vertical depth of 8100 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension

Burst strength is not adjusted for tension

Engineering responsibility for use of this design will be that of the purchaser.