1625 N. French Dr., Hopbs, NM 88240

District II 811 South First, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505 State of New Mexico Energy, Minerals & Natural Resources Department Form C-101 Revised March 17, 1999

OIL CONSERVATION DIVISION 2040 South Pacheco

Santa Fe, NM 87505

Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

AMENDED REPORT

1 Operator Name		ICATION	FOR PI	ERMIT TO	DRILL, RE-	ENTER, DEEL	PEN, PLUGB	<u>ACK, OR ADD</u>	A ZONE 2 OGRID Number	
1 Operator Name and Address									000873	
Apache Corporation / Attn: Debra J. Anderson									3 API Number	
2000 Post Oak Blvd. Ste. 100									30-025-06517	
Houston, Texas 77056-4400 5 Property Name									6 Well No.	
2310	กร				Livi	ngston			6	
2.51						ace Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County	
S	3	21 S	3 7E		1980	South	2308	West	Lea	
						cation If Differ	ent From Sur	face East/West Line	County	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/west Line	County	
	<u>I</u>	9 Propos	ed Pool 1		I		ĻI.	10 Proposed Pool 2		
	P	enrose Ske	lly; Gray	/burg			Hare	San Andres, Ea	st	
11 Work T	vne Code	12 Well Tyj	e Code	13 Cab	le/Rotary	14 Lease Ty	pe Code	15 Gr	ound Level Elevation	
Р		0				Р		3439		
16 Mul		17 Proposed De		epth	18 F	ormation	19 C	Contractor	20 Spud Date	
			8230 (T)	D) Grayburg / San		/ San Andres			ASAP	
		L		21 Pr	oposed Casin	g and Cement	Program			
Hole	Size	Casing Size		Casing weight/foot		Setting Depth		Sacks of Cement 250	Estimated TOC Surface	
17-1/4 11		13-3/8 8-5/8		32# 28# & 32#		3147		2200	Surface	
7-7/8		5-1/2 Line	<u>г</u>	15.5# & 17#		2944 - 8228		895	TOC @ 2944	
productive 201 Apache pro	ne. Describe the	blowout preventi bandon the	on program, Abo for	if any. Use additio mation by se	nal sheets if necessary	@ 6900' w/ 10'		ор		
23 I hereby certify that the information given above is true and complete							OIL CONSERVATION DIVISION			
to the best of my knowledge and belief.							LIEKEN LEGT OF CLEARING TANK			
Signature: Karland Karland							Approved by APPRALE CHERCELES (CHERCES) AND WILLIAMS			
Printed Name: Debra J. Anderson Title: Sr. Engineering Technician							Approval Date:			
Title: Date:	Date: Phone:					20	Conditions of Approval:			
11/27/00 713-296-6338 Au					Attached					

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C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

1	Operatoria OCRID number . Kursu da nati l							
I	Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office							
2	Operator's name and address							
3	API number of this well. If this is a new drill the OCD							
-	will assign the number and fill this in							
4	Property code. If this is a new property the OCD will							
	assign the number and fill it in							
5	Property name that used to be called "well name"							
6	The number of this well on the property							
7	The surveyed location of this well New Mexico Principal							
	Meridian NOTE: If the United States government							
	survey designates a Lot Number for this location use							
	that number in the "UL or lot no." box. Otherwise use							
8	the OCD Unit Letter							
o 9 and 10	The proposed bottom hole location of this well at TD							
11	The proposed pool(s) to which this well is being drilled Work type code from the following table:							
	N New well							
	E Re-entry							
	D Drill deeper							
	P Plugback							
	A Add a zone							
12	Well type code from the following table:							
	O Single oil completion							
	G Single gas completion							
	M Multiple completion							
	I Injection well S SWD well							
	S SWD well W Water supply well							
	C Carbon dioxide well							
13	Cable or rotary drilling code							
	C Propose to cable tool drill							
	R Propose to rotary drill							
14	Lease type code from the following table:							
	S State							
	P Private							
15	Ground level elevation above sea level							
16 17	Intend to multiple complete? Yes or No							
18	Proposed total depth of this well Geologic formation at TD							
19								
20	Name of the intended drilling company if known Anticipated spud date							
21	Proposed hole size ID inches, proposed casing OD							
	inches, casing weight in pounds per foot, setting							
	depth of the casing or depth and top of liner, proposed							
	cementing volume, and estimated top of cement							
22	Brief description of the proposed drilling program and BOP							
00	program. Attach additional sheets if necessary							
23	The signature, printed name, and title of the person							
	authorized to make this report. The date this report was							
	signed and the telephone number to call for questions about this report							

District I 1625 N. French Drive, Hobbs, NM 88240

District II P O Drawer DD, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV 2040 South Paci	heco, Santa	Fe, NM 875	05	WFU	ΓΙΟΓΑΤΙΩΝ ΔΙ		משמ ז			
¹ API Number 30-025-06517			² P	Pool Code 50350	ND ACREAGE DEDICATION PLAT ³ Pool Name Penrose Skelly; Grayburg					
⁴ Property Code 23108			⁵ Property Name Livingston				⁶ Well Number 6			
⁷ OGR					⁸ Opera	ator Name				⁹ Elevation
000	873			<u></u>		Corporation				3439
UL or Lot No.	Section	Township	Range	Lot Idi		ace Location North/South line		<u> </u>		
S	3	21S	37E		1980	South	1	from the 2308	East/West line West	County
		·		11	Bottom Hole Lo	cation If Differe	ent Fr	om Surfa		Lea
UL or Lot No.	Section	Township	Range	Lot Idr	1	North/South line		from the	East/West line	County
¹² Dedicated Ac 40	cres ¹³ Joint	or Infill 14	Consolidat	ion Code	¹⁴ Order No.		L	·····	I	. <u> </u>
NO AL	LOWABI	LE WILL I	BE ASSI	GNED TO	O THIS COMPLETI	ON UNTIL ALL	INTER	ESTS HA	VE BEEN CON	SOLIDATED
16	·····	0	<u>r a non</u>	I-STAND	DARD UNIT HAS B	EEN APPROVED	BY TI		ION	
								I hereby co true and c Signa Due Signa Due Printe I N Title Date 18 SURV I hereby was plott or under	ame Debra J. Ande Sr. Engineerin 11/27/00 /EYOR CER' certify that the well lock of from field notes of	on contained herein is ay knowledge and belief. Derson ag Technician
	<u> </u>	230	8'		1			Date Surv	veyed	
			1980'					Signature	and Seal of Profess	ional Surveyor
			· · · · · ·					Certificate	e Number	

State of New Mexico .ergy, Minerals and Natural Resources Depart

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the caracter

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 87505 Form C-102 Revised October 18, 1994 Instruction on Back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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Barther III Survey South Practices								
add Balance M, Ares, MM (Fig) Image: Start TE Image: Start TE Image: Start TE Image: Start TE add Balance, Start RN, MI (TAR) SUNDRY NOTICES AND REPORTS ON WELLS. Image: Start TE	DISTRICT III	2040 30						
	1000 Rio Brazos Rd., Aztec, Ni	M 87410	, INIVI 87303					
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Secure 3 Towaky 21S Regent and the PF. Ref. (%, ex.) 300. Free Hom The West Lea Count 142 Restrict (Bow whater PF. RES, (%, ex.) 3439 GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: 1439 GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: Altering Casing 150 Commence Drilling Operations Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: 161 Termportarity Abandon Change Plans Commence Drilling Operations Plug and Abandonment 162 Other Plugback to the Hare; San Andres, East Pool If Other Plugback to the Hare; San Andres, East Pool 2. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent detas, including estimated date of starting any proposed work). SEB RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion 8/21/C0 8/21/C0 MIRU. Pull out of hole w/ production equipment. Run in hole w/ casing scraper to 7000'. 8/22/C0 Pull out of hole w/ casing scraper. Run in hole & set CIBP (o 1000# for 5 minutes - OK. 8/24/00 Perforate Hare; San Andres, East 3865' - 3870', 3878' - 38	4. Well Location	<u>a., Ste. 100, Houston, Texas, 77056-4400</u>)	Hare, San Andres, East Grayburg				
Secure 3 Tenanty 21S Rarge 37E Norm Lea County Lea County 12: Restance DF, REL, 71, 06, acc.) 12: Restance DF, REL, 72, 72, 20: Resta	Unit Letter	S: 1980 Feet From The SC	outh Line and 2308	Feet From The West Line				
In Berstender DF, BEL NG (ac, ac.) 3439' GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: Perform Remedial Work Plug and Abandon Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: Perform Remedial Work Plug and Abandon Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data Pull or After Casing Commence Drilling Operations Other Plug back to the Hare; San Andres, East Pool 2. Describe proposed or completed operations: (Clearly state all perfinent details, and give perfusent dates, including estimated date of starting any proposed work). SEB RULE 1103. For Multiple Completions: Attach weilbore diagram of proposed completion or recompletion. \$21100 MIRU. Pull out of hole w/ production equipment. Run in hole w/ casing scraper to 7000'. \$21200 Pull out of hole w/ casing scraper. Run in hole & set CIBP (6919'). Dump 35' cement on top. POH. \$22400 Pull out of hole w/ casing scraper. Run in hole & set CIBP (6919'). Jon004 for 5 minutes - OK. \$24400 Perforate Hare; San Andres, East 3865' - 3870', 3878' - 3882', 3900' - 3920', 3933' - 3937', 3946' - 3970'. Actilize San Andres 3865' - 3970' w/ 13250 gals gel & 12000# 16/30 sand \$29/00 RIH w/ workstring. Clean out wellbore to 3100'. POH. RIH w/ 4-3/4'' blade bit, tag sand @ 3490', <t< td=""><td>Section</td><td>2</td><td>273</td><td></td></t<>	Section	2	273					
Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: SUBSEQUENT REPORT OF: Pull and Abandonment Casing Serand Cement Job Cother Plugback to the Hare; San Andres, East Pool Of Other Plugback to the Hare; San Andres, East OF MIRU. Pull out of hole w/ production equipment. Run in hole w/ casing scraper to 7000'. 8/22/00 Pull out of hole w/ casing scraper. Run in hole & set CIBP @ 6919'. Dump 35' cement on top. POH. 8/23/00 RIH w/ CIBP & set @ 5500'. Dump 35' cement on top. POH Pressure test CIBP to 1000# for 5 minutes - OK. 8/24/00 Perforate Hare; San Andres, East 3865' - 3870', 3878' - 3882', 3900' - 3920', 3933' - 3937', 3946' - 3970'. Acidize San Andres 3865' - 3970' w/ 3000 gals 15% HCL. 8/28/00 Frac San Andres 3865' - 3970' w/ 3020 gals get & 12000# 16/30 sand 8/29/00 RIH w/ workstring. Clean out wellbore to 3100'. POH. RIH w/ 4-344" blade bit, tag sand @ 3490'. 8/30/00 Clean out sand to bottom perfs @ 3970'. Circulate well clean. RIH to 4100' - no sand. POH w/ workstring. 8/31/00 RIH w/ punp & rods. Return to production. Check set wit for there is a proteine to the output of the start protection of the start production. Thrmas Sr. Engineering Technician pare 9/15/00 713-296-6338			DF, RKB, RT, GR, etc.)	A Lea County				
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 2. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion 8/21/00 MIRU. Pull out of hole w/ production equipment. Run in hole w/ casing scraper to 7000'. 8/22/00 Pull out of hole w/ casing scraper. Run in hole & set CIBP @ 6919'. Dump 35' cement on top. POH. 8/23/00 RIH w/ CIBP & set @ 5500'. Dump 35' cement on top. POH Pressure test CIBP to 1000# for 5 minutes - OK. 8/24/00 Perforate Hare; San Andres, East 3865' - 3870', 3878' - 3882', 3900' - 3920', 3933' - 3937', 3946' - 3970'. Acidize San Andres 3865' - 3970' w/ 3000 gals 15% HCL. 8/28/00 Frac San Andres 3865' - 3970' w/ 3020 gals gel & 12000# 16/30 sand 8/29/00 RIH w/ workstring. Clean out wellbore to 3100'. POH. RIH w/ 4-3/4" blade bit, tag sand @ 3490'. 8/30/00 Clean out sand to bottom perfs @ 3970'. Circulate well clean. RIH to 4100' - no sand. POH w/ workstring. 8/31/00 RIH w/ 2-3/8" tubing and set @ 4012'. 9/1/00 RIH w/ punp & rods. Return to production. 				Cement Job				
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CONDITIONS OF APPROVAL, IF ANY: