DISTFICT I P.O. Box 1980 DISTRICT II P.O. BC& Drav DISTRICT III		1 88241-1980 sia, NM 88211-0	719		ergy, Minerals	and Na	¹ New Mexico Itural Resources De ATION DIV	-	Form C-101 Revised February 10,199 Instructions on bac Submit to Appropriate District Offic		
COOD Rio Brazos Rd., Aztec, NM 87410 P.O. Box 2088							ease - 6 Copie				
P.O. Box 2088	3 Santa Fe N	NM 87504-2088			Santa Fe,	New N	Mexico 87504-20	88	_		ease - 5 Copie
1.0. Dox 2000					O DRILL. R	E-ENT	ER, DEEPEN, P	LUGBACK OF	א 🗀 א ג מחם ק		ED REPORT
			rator Name								
CHEVEON											D Number 23
15 SMITH F	ROAD, MID	LAND, TX 79	705							3 API Nu 30-025	
P	operty Code 11022	•				⁵ Propert	y Name Z' STATE NCT-10			⁶ 'Ne	II No.
		<u>_</u>			7	face Lo					7
UI or lot no.	Section	Township	Range	Lot.id			North/South Line	Feet From The	East/Wes		
L	2	25-S	37-E		17		SOUTH	330	WES		County
			⁸ Propo	sed Bo	ttom Hole I	ocatio	n If Different From	m Surface		<u> </u>	
UI or lot no.	Section	Township	Range	Lot.Id		om The		Feet From The	East/Wes	tline	
											County
LL	ANGLIE MA	⁹ Proposed		N GRAYB	URG			¹⁰ Proposed Poo	ol 2	····	
11 10 lock	Type Code	12			13		14				
P	iype code		WellType C O	ode	Rotar ROTA	y or C.T.	Leas	se Type Code S	¹⁵ Grou	ind Level E	Elevation
¹⁶ Multip	ole	17	Proposed De	epth			¹⁹ Co	ntractor		3154' 20 Spud D	
N	0		6650'		GRAY					Spud L 1/25/2003	Jate
				21 Prop	osed Casir	and	Cement Program				
SIZE OF	HOLE	SIZE OF C	ASING	_	GHT PER FOOT		SETTING DEPTH	SACKS OF	CEMENT		ST. TOP
11		8 5/8		24#		94	4'	525 SACKS		SURFAC	
7 7/8		4 1/2		11.6#		66	50'	1400 SACKS		1600'	
						+					
22 Describe the pr	roposed progra	am. If this application	on is to DEEPE	N or PLUG	BACK give the dat	a on the pr	esent productive zoneand p	ronosed new productive			
Describe the bi	lowout preventi	ion program, ir any.	Use additiona	al sheets if n	iecessary.						
ATTACHED F	FOR YOUR	APPROVAL.	RECOMPL		E SUBJECT M	VELL IN	THE GRAYBURG P	OOL. THE INTEN	IDED PROC	EDURE	IS
						al de s		,	·		
							i interiori	i K			
	<u>. </u>										
		and regulations of t					OIL C	ONSERVAT			, ,
		with and that the in est of my knowledge		n above			0.20				•
	\mathcal{A}' .	/	L	1/	/				A': SIGNE '. F. KAU		
Signature	<u>A</u> V,	N/50 (] Jel	1 Kl	/	Ap	proved By:	PE'HOL	UM ENG	rz INE Fisi	
Printed Name	Deni	ise Leake	/			Tit	ile:			-	
Title Regu	ulatory Spe	cialist					proval Date:		xpiration Dat	te:	
Date 1/1	6/2003		Telepho	ne	915-687-7375	Co Atta	nditions of Approval	2 2003			

DeSoto/Nichols 3-94 ver 1.10

Hanglie Mottix 7 MM Queen Brug hee.g

New Mexico BZ State NCT-1 No. 7 Grayburg Completion Procedure Lea County, New Mexico

\$ \$ \$

API NO: 30-025-33952

Well:	New Mexico BZ State NCT-10 No. 7
WBS Number(s):	UWPNM- UWPNM- UWPNM-

Well Location:

Section: 2 Township: 25S Range: 37E Surface Location: 1700' FSL & 330' FWL Lea County, New Mexico

Current Status:

Status: TA Production: Formation: Tubb-Drinkard

Objectives

- 1. Perforate Grayburg and break down with acid.
- 2. Swab test the Grayburg to determine fluid entry rate.
- 3. Fracture stimulate Grayburg and swab test.
- 4. Run production equipment and turn well over to operations.

Procedure

NOTE: Use 2% KCL water for all operations.

- 1. MIRU PU. NDWH. NU BOP and EPA. Pressure test BOP to 1,500 psi.
- 2. PU and RIH with 3-7/8" bit on a 2-3/8" tubing and CO to PBTD @ 5200'. Circulate hole clean using 2% KCL water. Pull up to 3575' and spot 500 gal 15% HCL. POOH with tubing.
- 3. MIRU Baker Atlas. Tie into Schlumberger CNL/GR/CCL dated 7/28/97. Perforate the following intervals using Baker's 3-1/8" Slick Guns loaded with 4 SPF, premium charge, at 120° phasing:

3,541' - 3,546' 3,551' - 3,574

- 4. PU and RIH with 4-1/2" Treating PKR, on/off tool, profile nipple on 2-3/8" tubing, while hydrotesting to 3,000 psi. Set PKR @ +/- 3,480'.
- 5. MIRU Schlumberger. Perform acid stimulation as follows:

New Mexico BZ State NCT- No. 7 Grayburg Completion Procedure Lea County, New Mexico

API NO: 30-025-33952

Acid Treatment:

Acid stimulate with 2,000 gallons of 15% HCL at 4-5 BPM and 3,500 PSI maximum treating pressure using 180 - 7/8", 1.3 SG. ball sealers for diversion. See Fluid Specifications.

 Hold pre-job safety meeting. Pressure test lines to 5,000 psi. Pressure annulus to 500 psi. Monitor and record annulus pressure throughout the job.

Pump job as follows:

Stage 1: Pump 500 gallons of 15% HCL and then start dropping 7/8", 1.3 SG. ball sealers continuously throughout the remainder of the acid job. Overflush with 23 bbls of 2% KCL water. Surge off ball sealers.

Record ISIP, 5, 10 and 15 min. SIP. Wait 2 hrs (at least 1 hr and maximum 3 hrs).

- 6. RDMO Schlumberger. Send job data files to the following e-mail addresses: wakefms@ChevronTexaco.com
- 7. Swab or Flow back acid load (+/- 95 bbls) into frac tank catching samples from the well for Schlumberger analysis. Record recovered volumes, pressures, and fluid levels. If well flows, set plug in profile, release on/off tool, displace annulus with packer fluid, sting back into on/off tool. ND BOP. NWH. RIH and swab FL in tubing until differential across plug is balanced. Retrieve plug & swab well to initiate flow (if needed). RDMO PU. Skip step 8.
- 8. If well does not flow, prepare well for fracture stimulation. Design to be determined from results of acid job.
- 9. Turn over to Operations. Report daily oil and water volume produced and fluid level until well stabilizes.

Mark S. Wakefield January 14, 2003

New Mexico BZ State NCT- No. 7 Grayburg Completion Procedure Lea County, New Mexico

API NO: 30-025-33952

Fluid Specifications

Acid Stimulation:

15% HCL Acid

1.00 gal/mgal 8.00 gal/mgal 3.00 lbm/mgal 2.00 gal/mgal 20.00 gal/mgal A264 (Corrosion Inhibitor) L63 (Iron Reducing Agent) A179 (Corrosion Inhibitor Aid) W53 (Non-emulsifying Agent) U66 (Mutual Solvent)

New Mexico BZ State NCT-1. No. 7 Grayburg Completion Procedure Lea County, New Mexico

API NO: 30-025-33952

Contact Names and Numbers

	Office Home Cellular	
Mark Wakefield	Production Engineer, Midland	
	Office	(915) 687-7287
	Home	(915) 520-0167
Cory Hoffman	Geologist, Midland	
	Office	(915) 687-7267
	Home	(915) 699-6544
	Cellular	(915) 559-3741
Nathan Mouser	Operations Supervisor, Eunice	
	Office	(505) 394-1247
	Cellular	(505) 390-7192
	Home	(505) 392-4188
Bobby McCurry	Artificial lift Specialist, Eunice	
	Office	(505) 394-1229
	Cellular	(505) 631-9127
Felix Trevino	Artificial lift Specialist, Eunice	
	Office	(505) 394-1245
	Cellular	(505) 390-7180
Larry Williams	MP2 Planner, Eunice	
	Office	(505) 394-1221
	Cellular	(505) 390-7165
Rick Massey	Safety Specialist, Eunice	
-	Office	(505) 394-1237
	Cellular	(505) 390-7188

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II P.O. Box Drawer DD, Artesia, NM 88211-0719 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources D. tment

OIL CONSERVATION DIVISION

Santa Fe, New Mexico 87504-2088

P.O. Box 2088

Revised February 10,199 Instructions on bac Submit to Appropriate District Offic State Lease - 4 Copie Fee Lease - 3 Copie AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* Property Code * Property Name * Well Number 29969 NEW MEXICO 'BZ' STATE NCT-10 7 7 OGRID Number * Operator Name * 9 4323 CHEVRON USA INC 3154 10 Surface Location Ul or lot no Section 2 25-S 37-E 1700 SOUTH 330 WEST 11 Bottom Hole Location If Different From Surface					² Pool Code 37240				¹ API Num 30-025-3	
2999 NEW MEXICO 'B2' STATE NCT-10 7 'OGRID Number * Operator Name * Operator Name * Eleval 4323 ChEVRON UNSINC 3157 If or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Section Township Range Lot Idn 10 or lot no Range Lot Idn Feet From The Lot Idn 10 or lot no Range Lot Idn Feet From The Lot Idn	·· .									
Ockrib Number 10 Defaults Name 2 Eleval 3152 10 Surface Location 11 Surface Location 12 125-S 37-E 1700 SOUTH 330 WEST WEST 10 Ior lot no. Section Township Range Lot.Idn Feet From The Noth/South Line Feet From The East/West Line 10 Ior lot no. Section Township Range Lot.Idn Feet From The Noth/South Line Feet From The East/West Line Dedicated Acre 13 Joint or Infill 14 Consolidation Code 15 Order No. 40 No No Int Consolidation Code 15 Order No. 17 OFERATOR CERTIFICATION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 16 Int and the assignment of my knowledge and belief Signature Signature Signature 16 Interbulk Name Interbulk Name Interbulk Name Det Signature Signature 16 Interbulk Name Interbulk Name Interbulk Name Signature & Seal of Signature & Seal										
Surface Location Surface Location I or lot no Section Township Range Lot.I.dn Feet From The North/South Line Feet From The East/West Line 1 Bottom Hole Location If Different From Surface 11 Bottom Hole Location If Different From Surface 1 or lot no. Section Township Range Lot.I.dn Feet From The North/South Line Feet From The East/West Line Dedicated Acre 13 Joint or Infill 40 No No<				⁸ Operator Name				7 OGRID Number		
or lot no Section Township Range Lot Idn Feet From The North/South Line Feet From The East/West Line 11 Bottom Hole Location If Different From Surface 330 WEST 10r lot no. Section Township Range Lot Idn Feet From The North/South Line Feet From The WEST 10r lot no. Section Township Range Lot Idn Feet From The North/South Line Feet From The East/West Line Dedicated Acre 13 Joint or Infill "Consolidation Code 15 Order No. 40 No NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE 16 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE 17 OPERATOR CERTIFICATION 16 17 OPERATOR CERTIFICATION 17 OPERATOR CERTIFICATION 16 18 Signature & Beak Positio Regulatory Specialist 16 18 SURVEYOR CERTIFICATION 18 SURVEYOR CERTIFICATION 17 Deteinse Leake Position Regulatory Specialist Date				ation	¹⁰ Surface Loc					
11 Bottom Hole Location If Different From Surface Il or lot no. Section Township Range Lot Idn Feet From The North/South Line Feet From The East/West Line Dedicated Acre 13 Joint or Infill 14 Consolidation Code 15 Order No. NO 40 No No ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 17 OPERATOR CERTIFICATION 115 16 17 OPERATOR CERTIFICATION Intereby certify that the Information contained herein is frue and complete for best of my knowledge and belief 116 18 Signature Yes Yes Yes 116 19 Signature Yes Yes Yes 116 11 Hereby certify that the information Contained herein is frue and complete for best of my knowledge and belief Signature Yes Yes 118 119 119 Signature Yes Yes Yes Yes 118 119 119 Signature Yes Yes Yes Yes Yes Yes Yes Yes Yes <t< td=""><td>County LEA</td><td colspan="2"></td><td>North/South Line</td><td>Feet From The</td><td>Lot.ldn</td><td></td><td>· ·</td><td></td><td></td></t<>	County LEA			North/South Line	Feet From The	Lot.ldn		· ·		
or lot no. Section Township Range Lot.Idn Feet From The North/South Line Feet From The East/West Line Dedicated Acre ¹³ Joint or Infill ⁴⁴ Consolidation Code ¹⁵ Order No. NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 17 OPERATOR CERTIFICATIO 18 19 10 10 17 OPERATOR CERTIFICATIO 19 10 17 OPERATOR CERTIFICATIO 19 19 10 10 10 10 10 10 10 10					e Location If Di	Bottom Hol	11 E	·		
40 No NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 16 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete (or best of my knowledge and belief 18 Signature 19 Denise Leake Positio Regulatory Specialist 11 Date 115/2003 11 116 Signature subjection file notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	County	East/West Line						Township	Section	l or lot no.
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 17 OPERATOR CERTIFICATIO 18 Intereby certify that the information contained herein is true and complete for best of my knowledge and belief Signature United Name Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well location show on this plat was plotted from file notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief Date Signature & Seal of				r No.	n Code ¹⁵ Ore	Consolidatio	14		Acre ¹³	
18 17 OPERATOR CERTIFICATIO 18 Intereby certify that the information contained herein is true and complete to best of my knowledge and belief Signature Signature Signature Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well location show on this plat was plotted from field: notes plat actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief Date Surveyed Signature & Seal of	ATED	EEN CONSOLIDA	ESTS HAVE B	UNTIL ALL INTE	S COMPLETION	NED TO TH	E ASSIGI R A NON-	BLE WILL B	ALLOWA	NO
Signature & Seal of								•	_	
best of my knowledge and belief Signature Julie Julie Printer Name Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of								 		16
Signature Signature Printed Name Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well location shown on this plat was plotted from field notes for actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of	to the				1			1		
Printer Name Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well loca ion show on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of		wedge and belief	best of my know		!			1		
Printer Name Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well loca ion show on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					ł			I		
Denise Leake Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well locarion shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of	e		LANE		 ! 				·	
Positio Regulatory Specialist Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well locarion shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					1			1		
Date 1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well loca ion shown on this plat was plotted from fielc notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowled ge and belief. Date Surveyed Signature & Seal of	_+		I I		 			l I		
1/16/2003 18 SURVEYOR CERTIFICATIO I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowled ge and belief. Date Surveyed Signature & Seal of		y Specialist	Regulatory		1			l k		
18 SURVEYOR CERTIFICATIO I hereby certify that the well loca ion shown on this plat was plotted from fielc notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowlec ge and belief. Date Surveyed Signature & Seal of					r I			i		
I hereby certify that the well loca ion shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					·			 		
on this plat was plotted from fielc notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowled ge and belief. Date Surveyed Signature & Seal of					1					
actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					I			1		
supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					ľ			1		
Correct to the best of my knowledge and belief. Date Surveyed Signature & Seal of					1					. C.
Signature & Seal of			correct to the be		1					–● ^{# ′}
			Date Surveyed		· – – – – – 			n	IHNNN	HE B H II B B II
Professional Surveyor		al of	Signature & Sea		1			1		i -
		Jrveyor	Professional Su		' 			 		1100
Certificate No.			Certificate No		- 			 		
330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0										

Form C-102