Form 3160-4 (October 1990)	<i>B</i> /		UNITE					DUPLIC	ATE .	,, J	0	MB NO	PROVED . 1004-0137
a. Osi.	SDEP/	ARTN	MENT C	OF TH	E IN	TERIO	R	stru	ctions rse sid	on -	<u>-</u> _		ember 31, 1991 FIGN AND BERTAL
CCENTESIA	<u> </u>		AU OF LA							1	1-09787	4	
COWELL CO	MAPLETI	ON C	OR RECO	MPI ET	ION	REPORT	AN	D LO	G*	6. 11	F INDIAN	N, ALLO	TTRE OR TRIBE
	t)z:		NZI GAS							- - 	NIT AGR	FEMEN	T NAME
OF TYPE OF WE	/ (PLETION:	WELL	WELL	L I	ORY L	Other				- " `			• ••••
WELL X	OVER	DEEP-	DACK BACK	DIF REN	F. CVR.	Other				8.	FARM O	RLEA	SE NAME, WEL
2. NAME OF OPERA	TOR			·•									ederal Com No
Cimarex Energy								4			API WELL		
3. ADDRESS AND TELEPHONE NO. P O Box 140907 Irving Tx. 75014-0907										30-015-34906			
4. LOCATION OF WI				accordunc	e with an	y State	iremen	.		 ∤			oo Wildcat
At surface 1	850' FSL & 9	990' FWI	Ĺ							11.	BEC., T.,	R., M.,	ON BLOCK AND BI
At top prod. in	terval report	ed below	1850' FSL	& 990' FV	VL						or areation 31-		R29E
At total depth	1850' FSL	& 990' F	FWL										
At total depta	1020 122			14. PE	RMIT NO.		DATE	ISSUED		12.	COUNTY	OR	13. STATE
						1					PARISH		NM
5. DATE SPUDDED	16. DATE	T.D. REAC	HED 17. DAT	PE COMPL.	(Ready t	o prod.) 18	3. ELEV	ATIONS (DF, RK		<u> </u>	19.	ELEY. CABINGHE
06-16-06	07-13			01-06			3694	4' GR					
20. TOTAL DEPTH, MD	A TVD 2	l. PLUG, B.	ACK T.D., MD A	TVD 22	HOW M	TIPLE COMPL	•	23. INT	ERVALI LLED B		ARY TOO	LS 1	CABLE TOOL
10445'	<u> </u>	10338'						<u> </u>	-> _	A	<u> </u>	1 24	. WAS DIRECTIO
Undesignated 6. TYPE SLECTRIC										 -		27. ₩	Yes
6. TYPE ELECTRIC Dual Spaced 1	AND OTHER	OGS RUN	oguard	INC PECO	APD / Pos	ont off string						27. W	
6. TIPE ELECTRIC	AND OTHER I	OGS RUN	oguard			ort all etring		(well)	MENT,	CEMENTING	G RECORD	No	AS WELL CORRE
6. TYPE ELECTRIC Dual Spaced I	AND OTHER I	LOGS RUN	oguard CAS		НО					CEMENTING	G RECORD	No	AS WELL CORRD
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55	WEIGHT 48# 40#	LOGS RUN	CAS DEPTH 8 207' 3100'		17- 12	-1/2" -1/4"	425	TOP OF CE	00 sx	CEMENTING	G RECORD	No	AS WELL CORRD
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40	AND OTHER I	LOGS RUN	CAN DEPTH 8		17- 12	1.E SIZE -1/2"	425	rop of ce sx, circ 1	00 sx 9 sx	CEMENTING	G RECORD	No	AS WELL CORRD
Dual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110	WEIGHT 48# 40#	LOGS RUÑ	CAS DEPTH 8 207' 3100' 10445'	ET (MD)	17- 12	-1/2" -1/4"	425	sx, circ 1 sx, circ 8 sx, TOC	00 sx 9 sx			No	AS WELL CORRD
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55	WEIGHT 48# 40#	LIN	CAS DEPTH 8 207' 3100'	ET (MD)	17- 12 8-	-1/2" -1/4"	425 : 968 : 1150	sx, circ 1	00 sx 9 sx	TUBIN	G RECORD	No Property No Pro	AB WELL CORED
Oual Spaced 18. Casing Size/grade -3/8" H-40 5/8" J-55 1/2" P-110	Neutron & D WEIGHT 48# 40# 17#	LIN	CAS DEPTH 8: 207' 3100' 10445' JER RECORD	ET (MD)	17- 12 8-	-1/2" -1/4" 3/4"	425 : 968 : 1150	sx, circ 1 sx, circ 8 sx, TOC	00 sx 9 sx	TUBIN	G RECO	No Property No Pro	AB WELL CORED
Oual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110	Neutron & D WEIGHT 48# 40# 17#	LIN BO	CAS	ET (MD)	17- 12 8-	LE SIZE -1/2" -1/4" 3/4"	425 : 968 : 1150	sx, circ 1 sx, circ 8 sx, TOC 30.	00 sx 9 sx 2 0'	TUBIN DEPTH 7067'	G RECC	No ORD	AMOUNT PULI
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE	AND OTHER INCUITON & D WEIGHT 48# 40# 17# TOP (MD)	LIN BO	CAS 207' 3100' 10445' WER RECORD TOM (MD)	SACKS CI	17- 12 8-	LE SIZE -1/2" -1/4" 3/4" SCREEN (M	425 : 968 : 1150	sx, circ 1 sx, circ 8 sx, TOC 30. size 2 7/8"	00 sx 9 sx 0'	TUBIN DEPTH 7067'	G RECC	No DRD	AMOUNT PULI PACKER BET (
Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. BIZE 11. PERPORATION RE 8210'-8220' 6 spf (WEIGHT 48# 40# 17# TOP (MD)	LIN BO	CAS 207' 3100' 10445' WER RECORD TOM (MD)	SACKS CI	17- 12 8-	SCREEN (M	425 968 1150	sx, circ 1 sx, circ 8 sx, TOC 30. size 2 7/8"	00 sx 9 sx 2 0'	TUBIN DEPTH 7067' CTURE.	G RECC SET (M CEMEN'	No ORD T SQU	AB WELL CORRE
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE	WEIGHT 48# 40# 17# TOP (MD)	LIN BO	CAS 207' 3100' 10445' WER RECORD TOM (MD)	SACKS CI	17- 12 8-	SCREEN (M)	425 : 968 : 1150	sx, circ 1 sx, circ 8 sx, TOC 30. size 2 7/8"	00 sx 9 sx 00'	TUBIN DEPTH 7067' CTURE. (AMOUNT gal 7-1/2	G RECC SET (M CEMEN' AND KIN % HCL	No ORD ID) T SQUI	AB WELL CORRE
Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. BIZE 11. PERPORATION RE 8210'-8220' 6 spf (WEIGHT 48# 40# 17# TOP (MD)	LIN BO	CAS 207' 3100' 10445' WER RECORD TOM (MD)	SACKS CI	17- 12 8-	SCREEN (M	425 : 968 : 1150	sx, circ 1 sx, circ 8 sx, TOC 30. size 2 7/8"	00 sx 9 sx 00'	TUBIN DEPTH 7067' CTURE. (AMOUNT gal 7-1/2 gal 7-1/2	G RECC SET (M CEMEN' AND KIN % HCL % NEF	No DRD DRD T SQUID NEFE E w/ 2	ANOUNT PULI PACKER BET (EEZE, ETC. MATERIAL USED 300 SG 1.3 Ball
Dual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. PERFORATION RE 8210'-8220' 6 spf (7030'-7096' 3 spf (2010))	WEIGHT 48# 40# 17# TOP (MD)	LIN BO	CAS 207' 3100' 10445' WER RECORD TOM (MD)	SACKS CI	17- 12 8-	SCREEN (M)	425 : 968 : 1150 ACI	sx, circ 1 sx, circ 8 sx, TOC 30. size 2 7/8"	00 sx 9 sx 00'	TUBIN DEPTH 7067' CTURE. AMOUNT gal 7-1/2 gal 7-1/2 Seale	G RECC SET (M CEMEN' AND KIN % HCL % NEF	No DRD DRD T SQU NEFE E w/ 2 sh w/ 7	AMOUNT PULI PACKER BET (EEZE, ETC. MATERIAL USED 3. 00 SG 1.3 Ball % KCL Water
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. BIZE 1. PERFORATION RE 8210'-8220' 6 sp 6 7030'-7096' 3 spf 2	Neutron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Intervent) CORD (Laberted) CORD (Laberted)	LIN BO	CAS DEPTH 8: 207' 3100' 10445' IER RECORL TIOM (MD) and number) 60' w/ 35' cmt	SACKS CI	17. 12. 8- EMENT*	SCREEN (M SCREEN (M SCREEN (M S2. DEPTH IN 8210'-8220 7030'-7096 7030-7096 DUCTION SCREEN (M	425 : 968 : 1150 ACI TERVAL	sx, circ 1 sx, circ 8 sx, circ 8 sx, TOO 30. size 2 7/8"	00 sx 9 sx 2 0'	TUBIN DEPTH 7067' CTURE, ANOUNT gal 7-1/2 gal 7-1/2 Seale 0 gal Detl	G RECC SET (M CEMEN' AND KIN % HCL .% NEF rs & flur laFrac14 ium Wh	No DRD DRD NEFE E w/2 sh w/7 40-R wite Sar	PACKER BET (PACKER BET (EEZE, ETC. MATERIAL USED 3.00 SG 1.3 Ball 1% KCL Water 1/ 149800# 16/3
Dual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. PERFORATION RE 8210'-8220' 6 spf (7030'-7096' 3 spf (2010))	Neutron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Intervent) CORD (Laberted) CORD (Laberted)	LIN BO	CAS DEPTH 8 207' 3100' 10445' IER RECORL TIOM (MD) O' w/ 35' cmt	SACKS CI	PROI	SCREEN (MS SCR	425 : 968 : 1150 ACI TERVAL	sx, circ 1 sx, circ 8 sx, circ 8 sx, TOO 30. size 2 7/8"	00 sx 9 sx 2 0'	TUBIN DEPTH 7067' CTURE, ANOUNT gal 7-1/2 gal 7-1/2 Seale 0 gal Detl	G RECC SET (M CEMEN' AND KIR % HCL .% NEF rs & flus laFrac 14 ium Whl	No DRD DRD NEFE E w/ 2 sh w/ 7 40-R w ite Sar	PACKER BET (PACKER BET (EEZE, ETC. MATERIAL USED 3.00 SG 1.3 Ball 1% KCL Water 1/ 149800# 16/3
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. PERFORATION RE 8210'-8220' 6 sp 6 7030'-7096' 3 spf 2	Neutron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Intervent) CORD (Laberted) CORD (Laberted)	LIN BO	CAS DEPTH 8: 207' 3100' 10445' IER RECORL TIOM (MD) and number) 60' w/ 35' cmt	Flowing, ga. 5" x 22' R	PROI 17. 12. 8- PROI 20. HBC HV	SCREEN (MS SCR	425 : 968 : 1150 ACI TERVAL	sx, circ 1 sx, circ 8 sx, circ 8 sx, TOO 30. size 2 7/8"	00 sx 9 sx 0' . FRA 1000 5000	TUBIN DEPTH 7067' CTURE, c AMOUNT gal 7-1/2 gal 7-1/2 Seale 0 gal Dett Premi	G RECC SET (M CEMEN' AND KIR % HCL .% NEF rs & flus laFrac 14 ium Whl	No DRD DRD NEFE E w/ 2 sh w/ 7 40-R w ite Sar	PACKER BOT (1) PACKER BOT (1)
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. PERFORATION RE 8210'-8220' 6 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-7096' 3 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-	Neutron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Interv) 50 holes CIB 222 holes	LIN BO	CAS DEPTH 8 207' 3100' 10445' IER RECORL TIOM (MD) O' w/ 35' cmt ON METHOD (ng w/ 2.5" x 1	Flowing, ga. 5" x 22' R	PROI	SCREEN (M SCREEN (M SCREEN (M S2. DEPTH IN S210'-8220 7030'-7096 7030-7000 7030-7000	425 : 968 : 1150 ACI TERVAL	sx, circ 1 sx, circ 8 sx, circ 8 sx, circ 8 sx, TOC 30. size 2 7/8" ID. SHOT	00 sx 9 sx 0' . FRA 1000 5000	TUBIN DEPTH 7067' CTURE, c AMOUNT gal 7-1/2 gal 7-1/2 Seale 0 gal Dett Premi	G RECCEMENT (MCCEMENT) AND KIR % HCL 2% NEF rs & fluid a Frac 14 ium Wh. Well well with Production Well well well well well well well well	No DRD DRD NEFE E w/ 2 sh w/ 7 40-R w ite Sar	AMOUNT PULL PACKER BET (: PACKER BET (: OO SG 1.3 Ball '% KCL Water // 149800# 16/3 dd
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. BIZE 1. PERFORATION RE 8210'-8220' 6 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-7096' 3	Neutron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Interv 50 holes CIB 222 holes	LIN BO LIN BO BI BER	CAS DEPTH 8 207' 3100' 10445' IER RECORL TIOM (MD) O' w/ 35' cmt ON METHOD (ng w/ 2.5" x 1	Flowing, go. 5" x 22' R FROD'S TEST	PROI PROI PROI PROI PROF PERIOD PERIOD PERIOD PERIOD	SCREEN (M SCREEN (M SCREEN (M S2. DEPTH IN S210'-8220 7030'-7096 T030'-7096 T0	425 968 1150	sx, circ 1 sx, circ 8 sx, circ 8 sx, circ 8 sx, TOC 30. size 2 7/8" ID. SHOT	00 sx 99 sx 0' FRA 1000 5000	TUBIN DEPTH 7067' CTURE. ANOUNT gal 7-1/2 Seale 0 gal Dett Premi	G RECCEMENT (MCCEMENT) AND KIR % HCL 2% NEF rs & fluid a Frac 14 ium Wh. Well well with Production Well well well well well well well well	No DRD DRD NEFE E w/ 2 sh w/ 7 40-R w ite Sar	AMOUNT PULL PACKER BET (: PACKER BET (: OO SG 1.3 Ball '% KCL Water // 149800# 16/3 dd
6. TYPE ELECTRIC Dual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. TERPORATION RE 8210'-8220' 6 spf 0 7030'-7096' 3 spf 2 ATE PIRST PRODUCT 10-01-06 ATE OF TEST 10-16-06 LOW. TURING PROS.	AND OTHER INCUtron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Interv 50 holes CIB 222 holes FION HOURS TEL 24 CABING PR	LIN BO	CAS DEPTH 8: 207' 3100' 10445' IER RECORL TIOM (MD) on number) o' w/ 35' cmt on METHOD (ng w/ 2.5" x 1 CHOKE SIZE CALCULATED 24-HOUR RAT	Flowing, go. 5" x 22' R FROD'S TEST OIL	PROI PROI PROI PROI PROF PERIOD PERIOD PERIOD PERIOD	SCREEN (M SCREEN (M S22 DEPTH IN 8210'-8220 7030'-7096 7030-7000 7030-7000 7030-7000 7030-7000 7030-7000	425 968 1150	sx, circ 1 sx, circ 8 sx, circ 8 sx, circ 8 sx, TOC 30. size 2 7/8" ID. SHOT	00 sx 99 sx 0' FRA 1000 5000	TUBIN DEPTH 7067' CTURE. 0 AMOUNT gal 7-1/2 Seale: 0 gal Detl Premi WAT 20 RHBL.	G RECCEMENT CEMENT AND KIR WHCL SA SEFICIAL GENERAL WELL SAW Produ ER BEL	No ORD ORD NEFE E w/ 2 sh w/ 7 40-R wide San status t-in) ucing	ANOUNT PULL PACKER BET (EEZE, ETC. MATERIAL USED 00 SG 1.3 Ball 1% KCL Water / 149800# 16/3 ad GAB-OIL BATIO RAVITY-API (CORI
6. TYPE ELECTRIC Dual Spaced 1 8. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. TERPORATION RE 8210'-8220' 6 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-7096' 3 spf (7030'-7096' 3 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-7096' 3 spf (7030'-7096') 3 spf (7030'-7096') 3 spf (7030'-7096') 3 spf (7030'-7096') 3 spf (7030'-70	AND OTHER INCUtron & D WEIGHT 48# 40# 17# TOP (MD) CORD (Interv 50 holes CIB 222 holes FION HOURS TEL 24 CABING PR	LIN BO	CAS DEPTH 8: 207' 3100' 10445' IER RECORL TIOM (MD) on number) o' w/ 35' cmt on METHOD (ng w/ 2.5" x 1 CHOKE SIZE CALCULATED 24-HOUR RAT	Flowing, go. 5" x 22' R FROD'S TEST OIL	PROI PROI PROI PROI PROF PERIOD PERIOD PERIOD PERIOD	SCREEN (M SCREEN (M S22 DEPTH IN 8210'-8220 7030'-7096 7030-7000 7030-7000 7030-7000 7030-7000 7030-7000	425 968 1150	sx, circ 1 sx, circ 8 sx, circ 8 sx, circ 8 sx, TOC 30. size 2 7/8" ID. SHOT	00 sx 99 sx 0' FRA 1000 5000	TUBIN DEPTH 7067' CTURE. 0 AMOUNT gal 7-1/2 Seale: 0 gal Detl Premi WAT 20 RHBL.	G RECCEMENT (MCCEMENT) AND KIR % HCL 2% NEF rs & fluid a Frac 14 ium Wh. Well well with Production Well well well well well well well well	No ORD ORD NEFE E w/ 2 sh w/ 7 40-R wide San status t-in) ucing	ANOUNT PULL PACKER BET (EEZE, ETC. MATERIAL USED 00 SG 1.3 Ball 1% KCL Water / 149800# 16/3 ad GAB-OIL BATIO RAVITY-API (CORI
6. TYPE ELECTRIC Dual Spaced 18. CASING SIZE/GRADE -3/8" H-40 5/8" J-55 1/2" P-110 9. SIZE 1. TERPORATION RE 8210'-8220' 6 spf 0 7030'-7096' 3 spf 2 ATE PIRST PRODUCT 10-01-06 ATE OF TEST 10-16-06 LOW. TURING PROS.	AND OTHER INCUITOR & D WEIGHT 48# 40# 17# TOP (MD) CORD (Interv 50 holes CIB 222 holes HOURS TEL 24 CABING PR	LIN BO	CAS DEPTH 8: 207' 3100' 10445' IER RECORL TIOM (MD) on number) o' w/ 35' cmt on METHOD (ng w/ 2.5" x 1 CHOKE SIZE CALCULATED 24-HOUR RAT	Flowing, go. 5" x 22' R FROD'S TEST OIL	PROI PROI PROI PROI PROF PERIOD PERIOD PERIOD PERIOD	SCREEN (M SCREEN (M S22 DEPTH IN 8210'-8220 7030'-7096 7030-7000 7030-7000 7030-7000 7030-7000 7030-7000	425 968 1150	sx, circ 1 sx, circ 8 sx, circ 8 sx, circ 8 sx, TOC 30. size 2 7/8" ID. SHOT	00 sx 99 sx 0' FRA 1000 5000	TUBIN DEPTH 7067' CTURE. 0 AMOUNT gal 7-1/2 Seale: 0 gal Detl Premi WAT 20 RHBL.	G RECCEMENT CEMENT AND KIR WHCL SA SEFICIAL GENERAL WELL SAW Produ ER BEL	No ORD ORD NEFE E w/ 2 sh w/ 7 40-R wide San status t-in) ucing	ANOUNT PULL PACKER BET (EEZE, ETC. MATERIAL USED 00 SG 1.3 Ball 1% KCL Water / 149800# 16/3 ad GAB-OIL BATIO RAVITY-API (CORI

*(See Instructions and Spaces for Additional Data on Reverse Side)

Fitle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and GEOLOGIC MARKERS recoveries); FORMATION TOP DESCRIPTION, CONTENTS, ETC. BOTTOM TOP NAME TRUE VERT. DEPTH MEAS, DEPTH Yates 813' Seven Rivers 1000' 1405' Queen 2478' San Andres Glorieta 4138' Tubb 5130' Abo 60401 Wolfcamp 7135' Strawn 9686' Atoka 9900' 102351 Morrow Mississippian 10370'

046-0042

COUNTY Eddy Co., N.M.

STATE OF NEW MEXICO DEVIATION REPORT

416	0.50
870	0.25
1,422	0.25
1,899	1.00
2,121	0.75
2,372	0.75
2,871	0.50
3,059	0.75
3,544	1.00
4,015	0.50
4,485	0.75
4,985	0.25
5,458	0.50
5,742	0.50
6,242	0.70
6,722	1.00
7,187	1.00
7,666	0.25
8,109	0.25
8,585	0.25
9,028	0.25
9,527	0.75
9,997	0.75
10,445 T.D.	0.75



STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Notary Public for Midland County, Texas/

My Commission Expires: 4/08/07

July 28, 2006 , by Steve

