•		1	N. M. Oil C		ivision	
Form 3160-3 (July 1992)	JNI" DEPARTMEN	TED STATES	ARTESIA	1ST ST. MIT TRI Mer A revei, did	ATE* fond on le)	OMB NO. 1004-0136 Expires: February 28, 1995
		LAND MANAGE				5. LEASE DESIGNATION AND SERIAL NO. NM-012896
APPL	ICATION FOR P			EPEN		6. 18 INDIAN, ALLOTTER OR TRIES NAME
Ia. TYPE OF WORK				····		7. UNIT AGREEMENT NAME
b. TIPB OF WOLL OIL [7] 0			SINGLE	MULTIPLI Zone		24889 8. FARM OR LEASE NAME WELL NO
2. NAME OF OPERATOR Chi Operati	ng, Inc.	4378	915	/685-5	001	Coal Train Federal C
3. ADDRESS AND TELEPHONE NO.			land, Texa	· · · · · · · · · · · · · · · · · · ·		30.013-30764
P. O. BOX 1 4. LOCATION OF WELL (E At SUFFICE	LIJJ Report location clearly and					10. FIBLD AND POOL, OR WILDCAT WC Crow Flat; Morrow SE g 76840
	FSL & 990'	FWL				11. SBC., T., B., M., OR BLE. AND SURVEY OR AREA
14. DISTANCE IN MILES	Same	REST TOWN OR FORT	PFICE*		-	Sec. 10-T17S-R28E 12. COUNTY OR PARISH 18. STATE
17 road m	les E. of Ar					Eddy New Mexic
LOCATION TO NEARES PROPERTY OR LEARE (Also to nearest dri	T LIN B, FT .	330'	6. NO. OF ACRES IN 200	LEASE		ACREA ASSIGNED
18. DISTANCE FROM FROM TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	300' P&A 1	9. гноговер регти 10,400	,	20. ROTAR	T OR CABLE TOULS Rotary
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.	SWITH CON	10011501	ATER O	Addisi	22. APPROT. DATE WORK WILL START*
<u>3530′</u>	GL	PROPOSED CASING	AND CRMENTING	PROGRAM	nont	August 30. 1999
BIZE OF ROLL	GRADE, STZE OF CASING	WEIGHT PER FOOT				QUANTITY OF CEMEN
17 1/2"	13 3/8"H-40	48.0# ST			Circ.	350 sx "C"
<u>12 1/4"</u> 7 7/8"	8 5/8"J-55 5 1/2"N-80	32.0# S 17.0# L	<u> 70 2,00</u>		<u>Circ.</u> 475 s	
Main	'			•	- 3	PPROVAL SUBJECT TO ENERAL REQUIREMENTS AN REGIAL STIPULATIONS
0'	rogram: - 425' : Fresh water	r Gel/Lime:	Mud Wt. 8.4 - 8.7 ppg	- Vis. 32 - 34	A-9	
425'	- 2,000': Brine mud:		10.0-10.2 ppg	28 - 29	No W	//L control
	- 6,600': Fresh water		8.3 - 8.4 ppg	28 - 29		//L control
	 9,100': Cut Brine r 9,500': Cut Brine r 		9.6-10.0 ppg 9.6-10.0 ppg			Control 10CC
	- 10,400': Cut Brine r		9.6-10.0 ppg			control 8 co ^{+/-}
BOP P	rogram:					8 SCIVED
A 12" 5	000 psi wp Shaffer Ty DP will be tested before					//L control //L control //L control //L control control 10CC
	E PROPOSED PROGRAM: If ment data on subsurface location					ew productive zone. If proposal is to drill or
PIGNED Let	egit Sm	He. TITLE	Agent fo Chi Oper	r:		
	ral or State office use)					Past ID-1
(This space for Fede	-					9-24-99
(This space for Fede			APPROVAL DATH			<u></u>
РБВИТ КО	not warrant or certify that the app	licant holds legal or equits			se which wou	id entitle the applicant to conduct operations thereon.
PERMIT NO				1 the subject less] Office M		Id entitle the applicant to conduct operations thereon.

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4440 C 77 C

Title 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. It (itimes or functional at the constant or agency of the United States any false. It (itimes or functional at the constant or agency of the United States any false.)

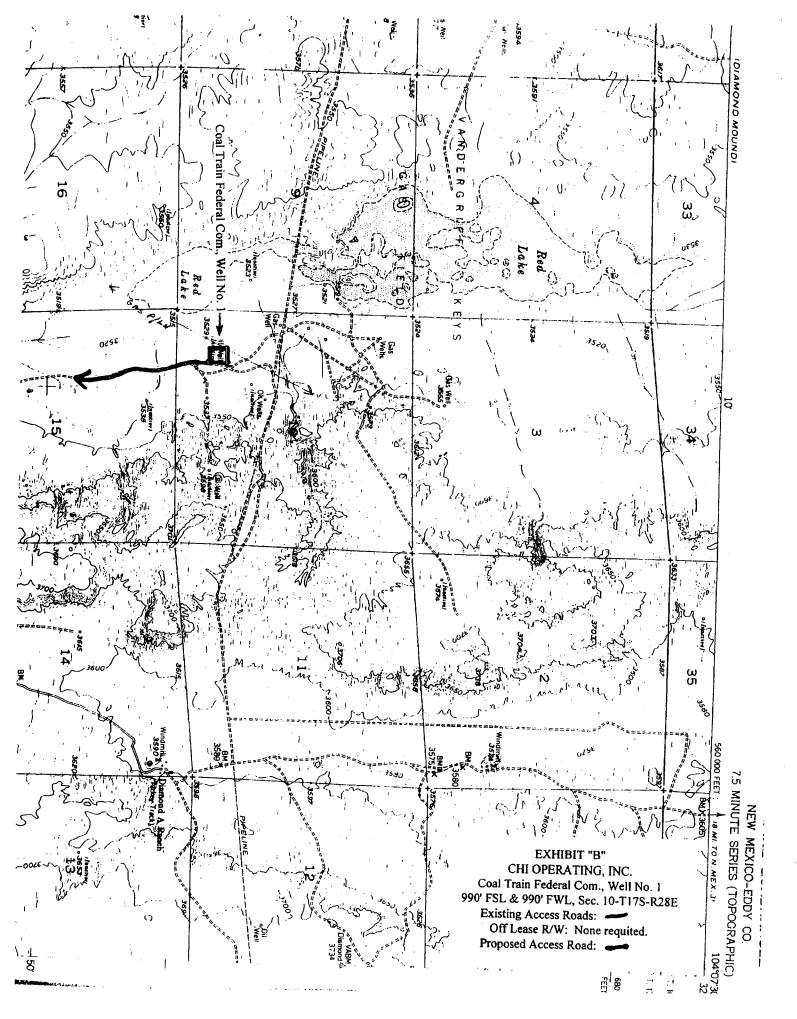
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PO Drawer DD District. III 1000 Ris Brazzo I) PO	Box	TION DIVISI(2088 87504-2088	אכ אר		State	iate District Office : Lease - 4 Copies : Lease - 3 Copies
District IV PO Bas 2008, Sa	na Fe, NM	1999-4-2009	. .						C] 🗚	ENDED REPORT
		W	ELL LO			ACI	REAGE DEDI				
	AZI Nemb			4 Post Ca	be .	WC	C Crow Flat	' PesiN ; Morrow S			•
* Property	Ceria					-	Nege			•	Well Number
'OCRID	Ne.	COAL	L TRAIN	FEDER			Nume		·	 	* Elevenies
		CHI	OPERAT	ING, I	The second s						3530.
					¹⁹ Sur	face	Location	- 			
UL or lat ms.	Sentine	Torradio	Range	Locida	Fox from	the	Nerth/Seath Ste	Fast frem the	East/Wes	-	Cotary
<u>M</u>	• 10	17–S	28-E	I TOTT HOI	990 e Locari	on I	SOUTH	990 Surface	WE	ST	EDDY
UL or lot so.	Section	Terresein	Range	Los ida	Fus free		North/South Line	Fus from the	East/Wes	lior	Секату
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320			C		IS COMBI		ON UNTIL ALL	N77775576 1	AVE DE	N COI	CETAN 1034
							EN APPROVED				
						•		i haraby cont true and comp	fy shut she in slete so she i	iernetten et ef siv	TIFICATION
							<i></i>	Signature	R. Sm erating	íth, g, In	agent for:
NM-01289 Burlingt		s. & En	iron Oi	1 & ^G as			•	! hardy cardy war planet fro and correct to		l Isramien of actual actual ballof.	
990'	,066						- . :	REG	5412 5412 20 SUBAC		A CINEER

State of New Mexic

Merida 1

Form C-107

STREETS AND STREETS



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	•	•	OCD. A.	rtegia !!!
Form 3160-5 (August 1999)	UNITED STATES DEPARTMENT OF THE INTE	RIOR		FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000
0.000	BUREAU OF LAND MANAGEM		•	5. Lease Serial No. NM-012896
Do not use th	Y NOTICES AND REPORTS his form for proposals to drill ell. Use Form 3160-3 (APD) for	or to re-ente	r an	6. If Indian, Allottee or Tribe Name
SUBMIT IN TR	NPLICATE - Other instructio	ons on reven	se side	7. If Unit or CA/Agreement, Name and/or No.
I. Type of Well Oil Well & Gas Well] Other		T I I I I I I I I I I I I I I I I I I I	8. Well Name and No.
2. Name of Operator Chi Oparating, Ir		······································	1 11 11 AL 91 11	Coal Train Federal Com. 9. API Well No.
3a. Address P.O. Box 1799		. Phone No. (incl. (915) 685		1 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec		()1) (0)		WC Crow Flat; Morrow SE gas
	FWL (New) Sec. 10-T17	S-R28E		11. County or Parish, State
990' FSL & 990'	FWL (01d) " "			Eddy, NM
12. CHECK AP	PROPRIATE BOX(ES) TO INE	DICATE NAT	URE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		1	YPE OF ACTION	
X Notice of Intent		Deepen Fracture Treat	Production (Start	/Resume) Water Shut-Off Well Integrity
Subsequent Report		New Construction	Recomplete	Other
Final Abandonment Notice		Plug and Abandon Plug Back	Temporarily Absolution Temporarily Absolution Temporarily Absolution Water Disposal	andon
testing has been completed. Fin determined that the site is ready Chi Operating, In to avoid a buried west of the loca topo map and was line to Chicago.	nal Abandonment Notices shall be filed for final inspection.) ic. is proposing to mo i oil pipeline belongi ition. This is a 40-5 not visible from the Everyone, including nove south will clear	only after all req we the app ng to Amoe 0 year old location. "eagle Eye	virements, including recta proved location to (BPA) which l line that doe This line is 2" Jim Sciscent	es not show up on the active, and is a main ti, the archaeologist
				RECEIVED
				AC 27 99
				RLM Tyell, NM
14. 1 hereby certify that the foregoin Name (Printed/Typed)	g is true and correct			
George R. Smith		Title A	gent for: Chi	Operating, Inc.
Signature Kinzgek	Smitti.	Date	December 27,	
	THIS SPACE FOR F	EDERAL OR		
Conditions of approval, if any, are	attached. Approval of this notice does I or equitable title to those rights in the conduct operations thereon.	not warrant or	Tille Diffice (FC)	Date 1/6/2006
Title 18 U.S.C. Section 1001 and Tit States any false, fictitious or fraudule	le 43 U.S.C. Section 1212, make it a cri nt statements or representations as to an	ime for any person y matter within its		to make to any department or agency of the United
* CREAGTOR TO	2 Site per Couver Red La	the QN-6	3-5A Comon.	41556 To Intermediance

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01	Form 3160-3 (July 1992)	DEPARTMEN	TED STATES	NTERIO	SUBMIT IN 1 (Other Instr reverse R	uctions on	FORM OMB N Expires: 1	APPROVED 10. 1004-0136 "ebreary 28, 1995 TIOM AND SERIAL NO. 8 9 6	-
	APP	LICATION FOR	PERMIT TO D	DRILL O	R DEEPEN		8. IF INDIAN, ALL	OTTER OR TRIES NAME	-
	18. TYPE OF WORK	RILL 😨	DEEPEN []			7. UNIT AGREEME	RT NAME	~ · '
	OIL WOLL	OAR THELL TO OTHER		Bingli Zone		PL	8. FARM OR LEASE NAM		-
	2. NAME OF OPERATOR Chi Operat	ing, Inc.			915/685-	5001	9. AN WELL NO.	in Federal	Com -
	P. O. BOX		Mid	lland,	Texas 797	02		1 ol, of WildCat it; Morrow SE	-
	At proposed prod. 1 14. DINTANCE IN MILE	0' FSL & 990' sone Same AND DIRECTION PROM NR niles E. of Ar	AREST TOWN OR FORT	OFPICB [®]			11. ERC., T., B., M. AND BURYRY C Sec. 1 12. COUNTY OR PA Eddy	0-T17S-R28E	
	10. DISTANCE FROM PRO LOCATION TO NEASI PROPERTY OR LEASI (Also to Degrest d	DPUMED* BST M LINB, FT. Irig. unit live, if any)	330'	20			F ACREA ASSIGNED	320	
	OR AFFLIED FOR, ON	DRILLING, COMPLETED,	300' P&A	19. PROFOSE	, 400'	20. ROTAR	1	WORR WILL START*	
	<u>3530′</u> 23.	GL	PROPOSED CASIN	IG AND CEM	ENTING PROGRA		August	30. 1999	
	SIZE OF ROLE	ORADE, SIZE OF CASING	WEIGHT PER PO	от е	ETTING DEPTIL	1	QUANTITY OF CI	INBNT	
	<u>17 1/2"</u> <u>12 1/4"</u> 7 7/8"	13 3/8"H-40 8 5/8"J-55 5 1/2"N-80	48.0# 5 32.0# 5 17.0# 1	TC	<u>425'</u> 2,000' 0,400'	Circ.	350 sx " 650 sx " x "H" to		

. -

Mud Pro	gram:	Mud Wt.	- Vis.	- W/L Control
0' -	425' : Fresh water Gel/Lime:	8.4 - 8.7 ppg	32 - 34	No W/L control
425' -	2,000': Brine mud:	10.0-10.2 ppg	28 - 29	No W/L control
2,000' -	6,600': Fresh water mud :	8.3 - 8.4 ppg	28 - 29	No W/L control
6,600' -	9,100': Cut Brine mud:	9.6-10.0 ppg	28 - 29	No W/L control
9,100' -	9,500': Cut Brine mud:	9.6-10.0 ppg	32 - 36	W/L control 10CC +/-
9,500' -	10,400': Cut Brine mud:	9.6-10.0 ppg	42 - 48	W/L control 8 cc +/-

BOP Program:

i

A 12" 5000 psi wp Shaffer Type LWS Double Gate BOP will be installed on the 13 3/8" casing. Casing and BOP will be tested before drilling out with 12 1/4" and will be tested daily.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

AIANAN ALIGER	Agent fo Amuch TITLE Chi Oper	eating, Inc. December 27, 1999
(This space for Federal or State o	(Dec use)	
PBRNIT NO	APPROVAL DATE	J
Application approval does not warrant or cer CONDITIONS OF APPROVAL, IF ANY:	tify that the applicant holds legal or equitable title to those rights in	n the subject lease which would entitle the applicant to conduct operations thereon.
APPROVED BY		DATE
	*See Instructions On Reverse	Side
itle 18 U.S.C. Section 1001, makes nited States and false, the fittings -	it a crime for any person knowingly and willfore as to the statement of th	ally to make to any department or agency of the one matter within its installation

District I 1825 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 South First, Artesia, NM 88210 <u>District III</u> 1800 Rio Brazos Rd., Axtee, NM 87410 <u>District IV</u> 2040 South Patheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources

Form C-102 Revised March 17, 1999

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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		W	ELL LO	CATION	AND ACR	EAGE DEDIC	ATION PLA	т	
· ·	AFI Numbe	r		¹ Pool Code		WC Crow F1	Pool Name at; Morrow		
* Property	Code	COAL	. TRAIN	FEDER/	Property MAL COM	la me			Well Number]
OGRID	Nø.	CHI	OPERAT	1NG, 11	¹ Operator M	ame			Elevation
					¹⁰ Surface I	ocation		· · · · · · · · · · · · · · · · · · ·	
UL or lot so.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N I	10	17-5	28-R	1	660	SOUTH	990	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or let no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
l		L			l	·····		L	
¹¹ Dedicated Acres	Joint o	rLeffill 🔤 "	Consolidation	Code "Or	der No.				
320	1		С					•	-
520	1	1	v	-				, -	
and the second se				the second s				the second s	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL &L INTERESTS HAVE BEEN CONSOLIDATED 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 to the best of my knowledge and belief
			Heczge & Smith
			Signature George R. Smith, agent for Primed Name Chi Operating, Inc.
			This December 27, 1999
NM-012896 Burlington 990	Res. & Enron	Dil & Gas	Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was ploned 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 bellef. DECEMBER R. B.Z. D. 1999 Date of Sub- Super Sub- Super Sub- The Super

 .							1	JRM APPRU	VED .	
(July 1992)		RTMENT OF T				(See other image	OMB NO, 1004-0137			
	B	UREAU OF LAND	AGEMEI	VT151	617 1.	structions	Expire	s: February 2	28, 1995	
				12	·	reverse side)	5. LEASE DE	ESIGNATION	AND SERIAL NO.	
			#	<u>(1)</u>			ļ	NM - 01289	26	
		TION OR RECOM	the second s	N REPO	RT AND	LOG*	6. IF INDIAN	ALLOTTEE	OR TRIBE NAME	
1a. TYPE OF W			GAS WELL X	DRY C	loner		7. UNIT AGE	REEMENT NA	ME	
b. TYPE OF CC		WORK DEEP-	PLUG	DIFF. OCO	• 1 [·]		8. FARM OR	LEASE NAM	E, WELL NO.	
		OVER EN	BACK	RESVR.	Other	•	Coal Tra	in Federal C	om. #1	
2. NAME OF OP							9. API WELL			
ADDRESS AN	Chi Operating,						30-015	30764 ND POOL, OF	MAL DOAT	
		Midland, Texas 79702						-	w, SE Gas Pool	
4. LOCATION O	F WELL (Repor	location clearly and in accorde	ance with any St	ate requirements)*		1		LOCK AND SURVEY	
At surface	een Ees 000	FWL, Sec 10, T17S, R28E	SODV COUR		VICO		OR ARE	A . 10, T17S, F	2005	
	interval reported		EDDT COUR				DEC	. 10, 1173, f	120E	
At total depth	1		14. PERMIT N	0.	DATE ISSUED		12. COUNT	OR PARISH	13. STATE	
	10200				9/13/99		Eddy		NM	
15. DATE SPUD 1/14/00	DED	16. DATE T.D. REACHED 2/9/00	17. DATE CON 2/28/00	APL. (Reedy to pro	NO.)	18. ELEVATIC	NS(DF,RKB,1 3530	<1,GE,ETC.)*	19. ELEV. CASINGHEA	
20. TOTAL DEP	TH, MD, & TVD			22. IF MULTIPL	E COMPL.,	23.INTERVAL		OOLS	CABLE TOOLS	
10,200		10,200		HOW MAN	fY*	DRILLED BY	yes			
	A INTERNAL	OF THIS COMPLETION - TO		ORE	1)=	1	<u>I</u>	25. WAS DIF	RECTIONAL	
	3 INTERVAL(S), 9870-76, 9895		-, and i Unvi, NA	initi (ANU MIN I VU	"				Y MADE	
		Morrow Sands						Yes		
	TRIC AND OTH GR-CAL-CNL	ER LOGS RUN LDT, DDL, MSFL		<u>, , , , , , , , , , , , , , , , , , , </u>				<u>I</u>	27. WAS WELL CORED	
8.					trings set in well	·				
CASING SIZE	and a second sec	WEIGHT, LB./FT. 48	DEPTH SE	T (MD)	HOLE SIZE	TOP OF CEM		TING RECOR	AMOUNT PULLED	
85/8		24	2078		11	O, CIRC 56			<u> </u>	
51/2	N-80	17	10,200	·····	7 7/8	5450 1st sta			<u></u>	
9.		LINER RECORD	l		1	1660' 2nd sta 30.		UBING RECO	RD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS C	EMENT.	SCREEN(MD)	SIZE	DEPTH S		PACKER SET (MD)	
						23/8	9853		9853	
1. PERFORATI	ON RECORD I	nterval, size and number)	<u> </u>		32.	ACID, SHOT,F	RACTURE C	EMENT SOU	I EEZE, ETC.	
9870-76 - 4	,				DEPTH INTER			and the second s	F MATERIAL USED	
9895-99' - 4	4 SPF				9870-76 - 9895-99 -	4SPF			gais. 7.5% & CO2 Jogais. & 38600 lbs.	
3.*				PRODUCTION			L			
DATE FIRST PF	RODUCTION	PRODUCTION METHOD (Flow Flowing	ving, gas lift, pun			<u></u>		WELL STAT shut-in)	US (Producing or Producing	
304/00		HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	Oil 881. 38	GAS - MCF 1364	WATER - BE	<u>I</u>	GAS-OIL RATIO	
LOW. TUBING	PRESS.	CASING PRESSURE	CALCULATED	OIL - BEL.	GAS - MCP	WATER - BEL	.	OIL GRAVIT	Y - API (CORR.)	
1000		O#	24-HOUR RATE	ł		t i				
	N OF GAS (Sold	i, used for fuel, vented, ctc.)	·	1	d	L	TEST WITH			
5. LIST OF ATT							I	Sonny Mahn		
1	Dex Survey									
6. I hereby certil	ty that bigtorego	bing and attached information is	complete and c	orrect as determi	ined from all avai	lable records				
SIGNED	L.	- wind		TITLE	Engineer			DATE	3/8/00	
	-74 <u>~</u>	-www.				<u></u>		DAIE		
		*(See instruc	tions and Spa	ces for Addit	onal Data on I	Reverse Side)			
Inte 18 U.S.C.	Section 1001	, makes it a crime for any per	son knowingly	and willfully to I	make to any de	partment or ag	ency of the			
		us or fraudulent statements								
		ZONES: (Show all importa					and all			
onii-stem, t	tests, including	depth interval tested, cushic	on used, time to	ol open, flowing	g and shut-in p	ressures, and				

11月1日には、日本の日本の日本の日本の日本の時代の職業業務委員会には、現代の法律部務委員会の目的では、11月1日には、11月1日によって、日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本



GARY E. JOHNSON Governor Jennifer A. Salisbury Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

June 5, 2000

NEW MEXICO ENERGY, MINERALS and

NATURAL RESOURCES DEPARTMENT

Chi Operating, Inc. P.O. Box 1799 Midland, TX 79702

RE: WELL PLACED IN POOL

Gentlemen/Madams:

As the result of Division Order No. R-11384, the following described gas well has been placed in the pool shown below. This change in nomenclature has been made in our files. Please change your records to reflect the proper pool name. All subsequent reports must show this nomenclature until further notice.

Crow Flat; Morrow, Southeast Gas Pool Coal Train Federal Com. Federal Well No. 1 Unit M, Section 10, Township 17 South, Range 28 East, NMPM Poolcode: 96840

Transporters are advised by copy of this letter to change their records to reflect the pool name as established by this order effective February 1, 2000.

Sincerely,

um knud

Bryan Afrant District Geologist

cc: Navajo Refining Conoco, Inc. Santa Fe Well File Mae BLM