1-6/22/98 1-7/13/98 1- MS 1- W 1- NSL

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acron	nyms:	man by a Charles and Connection Hailly (MC). Man Chandond Location 1
	[PC-	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] whhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
	[EOK-QL	ralified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
	[A] [LICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL DNSP DD DSD JUN 2 2 1998
	[B] (One Only for [B] or [C] Commingling - Storage - Measurement DHC DCTB DPLC DPC DOLS DOLM
[Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
-	_	ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
[[B] \f	Offset Operators, Leaseholders or Surface Owner
]	[C] [Application is One Which Requires Published Legal Notice
[[D] [Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
į	[E] [For all of the above, Proof of Notification or Publication is Attached, and/or,
]	[F] [☐ Waivers are Attached
[3] INFOR	MATIO	ON / DATA SUBMITTED IS COMPLETE - Statement of Understanding
Regulations of tapproval is accurate. RI, ORRI) is co	the Oil (urate and ommon.	or personnel under my supervision, have read and complied with all applicable Rules and Conservation Division. Further, I assert that the attached application for administrative d complete to the best of my knowledge and where applicable, verify that all interest (WI, I further verify that all applicable API Numbers are included. I understand that any mation or notification is cause to have the application package returned with no action

Note: Statement must be completed by an individual with supervisory capacity.

AURIE CHERRY
Print or Type Name

taken.

Laure Chery-

REG COMP. ASST.

6/16/98 Date



ARCO Permian 600 North Marienfeld Midland TX 79701-4373 PO Box 1610 Midland TX 79702-1610 Telephone 915 688 5200

June 16, 1998

Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

Gentlemen:

Under the provisions of NMOCD Rule 104.F(d), ARCO Permian requests administrative approval for unorthodox location for its Washington "33" State #29, a recompletion of a previously drilled well in the Empire Abo Unit, to the Artesia (Queen-Grayburg-San Andres) Field. The location for this well, formerly known as the EAU #H-321 is1050'FSL and 250'FEL of Section 33, T17S, R28E, Eddy County, New Mexico. This well was drilled at an approved unorthodox location for the original horizon.

As required, we are submitting a plat showing the subject 40-acre spacing unit with the unorthodox location, a map identifying the adjoining and diagonal encroached-upon leases and wells, and a list of affected parties.

Should you have any questions, please do not hesitate to call Dave Pearcy at 915-688-5355. Thank you for your assistance in this matter.

Sincerely,

Regulatory/Compliance Assistant

:lc

cc:

NMOCD, Artesia, New Mexico

Enclosures

Geologic and Engineering Discussion for Washington 33 State #29 Unit P of Section 33, T17S, R28E, Eddy County, New Mexico

ARCO Permian requests administrative approval for unorthodox location for Washington 33 State #29 and #30 in the Artesia (Q-G-SA) Field, both as recompletions of wells drilled to a deeper horizon. Both wellbores are required for geologic reasons, and will be simultaneously dedicated to Unit Letter P of Section 33.

ARCO will require 2 strategically spaced wellspots in each 40-acre tract to recover reserves in the Artesia pool. Wherever possible, our well pattern dictates a wellbore in the NE quadrant and SW quadrant of each 40 acres. Recompletion of these Empire (Abo) wellbores, which are 949 ft. apart, will prevent wasteful drilling, even though #30 is "off-patterns".

At a future date, we anticipate a waterflood could be initiated to effectively sweep both dolomite and sand reservoirs. Optimum results can only be achieved with good spacing of the primary wells. Core results show the Queen-Grayburg-San Andres "sand" pays should yield 130 MBO per 40 acres, but the modest 35 MBO recovered from "sand" wells on and surrounding our lease indicates that 10-20 acre drainage for these pays is reasonable.

We have therefore determined that two wells per 40 acres will effectively drain this reservoir and protect correlative rights. Where inexpensive recompletions are available, 700 ft. between wells will avoid wasteful drilling. "Ten-acre" locations in the same half of any 40-acre unit should be avoided until waterflood startup. With current technology, the drainage radius for these San Andres wells is probably 10 acres, so we do not expect to be affecting any offset owner's correlative rights with these unorthodox locations.

District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 S. 1st Street, Artesia, NM 88210-2834 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

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

MENDED REPORT

	•] AMEN	DED REFORT	
APPLIC	ATION	FOR I	ERMIT T	O DRII	LL, RE-EN	TER, I	DEEPEN,	PLUGBA	CK, (OR ADI	A ZONE	
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD 1 Operator name and Address 2 OGI								² OGRID Number				
ARCO PERMIAN							000990			000990		
P.O.BOX 161	ס									PI Number		
MIDLAND, TX	79702							1-1			22417	
	certy Code		Ì			Property Na					Well No.	
22	154					NGTON "33" STATE 29						
	0	Tamashi	l Page	Lot. Idn	⁷ Surface I		th/South Line	Feet from the	T Pag	st/West line	Country	
UL or lot no.	Section	Township 17S	' "	LOL. ION	1050		SOUTH_	250	e Eas	EAST	County EDDY	
<u> </u>	33	1/3		Rottom	Hole Location	-				EAST 1	<u> </u>	
UL or lot no.	Section	Townshi	 	Lot. Idn	Feet from t		rth/South Line	Feet from the	a Es	st/West line	County	
CL of lot lio.	Section	Townsin	Picango	Lot. Ion	1 cot nom t		tur 500tii Liik	1 we nom us		so west into	County	
	1	9 Propose	d Pool 1					10 Propos	ed Pool 2			
		ARTESIA	(Q-G-SA)									
					r			*****				
11 Work T	ype Cod≉		12 Well Type C	Well Type Code 13 (e/Rotary 14 Les		ase Type Code		15 Ground Level Elevation	
	R		0	0			R		S		3659	
16 Mu	ltiple		¹⁷ Proposed De	17 Proposed Depth		8 Formation 19		Contractor		20 Spud Date		
	NO		3200	SAN ANDRES HONDO				3-22-78				
				²¹ Propo	osed Casing	and Cen	ent Progra	m		_		
Hole S	ize	c	sing Size Casing we		weight/foot Setting D		ng Depth	epth Sacks of Cement		Estimated TOC		
11			8-5/8				500	300		SURF		
7-7/8		5-1/2	2 15.		6378		1080		SURF.			
	· · · · · · · · · · · · · · · · · · ·											
 		<u> </u>								†		
22 Describe the	proposed pro	gram. If t	nis application is	to DEEPE	N or PLUG BAC	K give the	lata on the pres	ent productive	zone and	proposed ne	w productive zone.	
Describe the blow	vout prevent	ion progra	n, if any. Use a	iditional sh	eets if necessary	•	-	•		• •	•	
ORIGINALL	Y DRILLE	D AND C	OMPLETED AS	THE EM	PIRE ABO UN	IT H-32:	IN 1978.					
1 TD @ 6378	TEST	'ED ARO	a 6140-6250	' TA'N	W/CIRP & 6	144' 1.	1.96 PR	OPOSE ANDRES				
TO DUMP 35' CEMENT ON CIBP @ 6144', RUN CNL-GAMMA RAY-CCL AND PRF SAN ANDRES AS INDICATED BY LOG. TEST AND FRAC AS NEEDED.												
	<u></u>											
23 I hereby certify that the information given above is true and complete to the best						OIL CONSERVATION DIVISION						
of my knowledge and belief. Signature:						Approved by:						
Signature: Jawa Cheny						лургого ву						
Printed name: LAURIE CHERRY						Title:						
Title: REG./COMP. ASST.						Approval Date: Expiration Date:						

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD. Artesia. NM 88211-0719

DISTRICT IV

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

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number				Pool Code		Λ	Pool Name _	`			
30-01	5-22	2417				HRTESIA	(Q-6-SA)			
Property C	ode	[Well Num	Well Number					
22-95	54			WASH	INGTON 33	STATE		29	29		
OGRID No					Operator Nar			Elevation			
0000	190		ARCO PERMIAN						3659		
	Surface Location										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
P	33	17 S 28 E			1050	SOUTH	250	CAST	EDDY		
	Bottom Hole Location If Different From Surface										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Dedicated Acres Joint or Infill Consolidation Code Order No.											
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED											

	OR A NON-STAN	DARD UNIT HAS BEI	EN APPROVED BY TH	E DIVISION
	。 5	o ³	0]	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	هاه	04	07	Julie Cherry Signature LAURIE CHERRY
.1	9	ا۱ه	0,5	Printed Name REG. COMP. ASST Title Bate Date
04	010	•17	014	SURVEYOR CERTIFICATION I hereby certify that the well location shown
021		. 17	150	on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
on	031	, ¹⁸	016	Date Surveyed DMCC Signature Scale State Surveyed DMCC
013	as	21	30 29 0>	MEX 2 1 1 1 5 4 98
. 24	20	. 28	\	Certificate No. RONALD EIDSON 3239 CARNEDSON 12641 CARNEDSON 12641 CARNEDSON 12185

OFFSET OPERATORS WASHINGTON "33" STATE #29

SDX Resources, Inc. P. O. Box 5061 Midland, Texas 79704

Marbob Energy Corp. P. O. Box 227 Artesia, New Mexico 88211

Mack Chase, Trustee P. O. Box 1767 Artesia, New Mexico 88211

Bulldog Energy Corp. P. O. Box 668 Artesia, New Mexico 88210

STATE OF TEXAS

COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared Laurie Cherry, a Regulatory Compliance Assistant with ARCO Permian, who being by me duly sworn, deposes and states that the persons listed on the foregoing attached list has been sent a copy on June 16, 1998, Oil Conservation Division Form C-101 (and supporting documentation) entitled, "Application For Permit to Drill or Deepen" for the Washington "33" State #29.

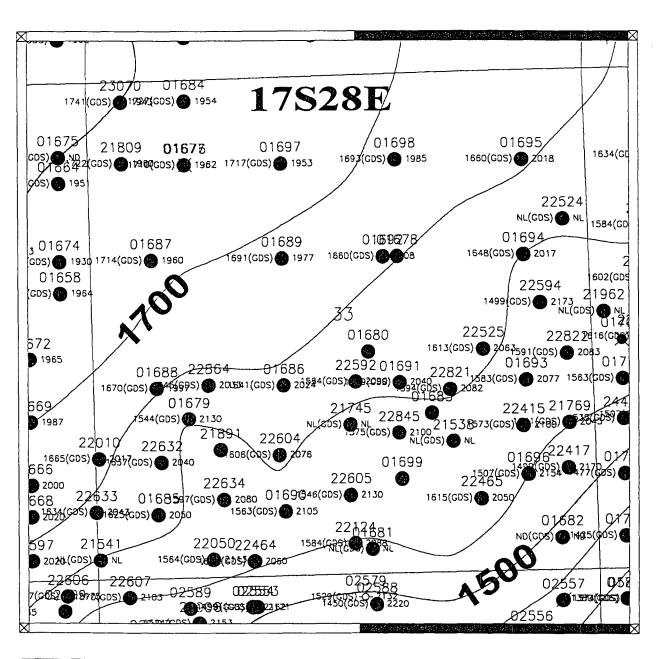
ARCO Permian

Laurie Cherry

SUBSCRIBED AND SWORN TO before me on June 16, 1998, to certify which witness my hand and seal of office.

NOTARY PUBLIC, STATE OF TEXAS

LEIGH ANN LANE
Notary Public, State of Texas
My Commission Expires: 12-12-2000



ARCO PERMIAN						
EDDY CO NM EMPIRE ABO SNDR STRUCTURE C.L.: 50'						
DPEARCY	EDOY CO OLJ	1/2/94				
OJWENEZ	Scale 1 12000	EMPREIA				

Scale 1:12000.

