LIMARK CORPORATION

Mark A. Philpy President P. O. Box 10708 Midland, Texas 79702-7708 (915) 684-5765 (FAX) 684-5959

September 30, 1998

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

RE: Administrative Order SWD-720 Federal 27 #1 well Sandoval County, New Mexico

Ladies and Gentlemen:

In reference to the above administrative order, Limark Corporation hereby requests a waiver of the requirement to install plastic coated tubing in this wellbore. We are planning to run a profile nipple on the bottom of the injection string in order to set a plug, if necessary, to test for any leaks in this string. If we plastic coat the tubing, we will restrict the internal diameter and may have trouble running and setting any kind of plug in the nipple.

Please review this request and advise as soon as possible as we are ready to begin our completion procedures.

Yours sincerely,

Mark A. Philpy, President

LIMARK CORPORATION

Mark A. Philpy President P O Box 10708 Midland, Texas 79702-7708 915 / 684 - 5765 (O) 915 / 684 - 5959 (Fax)



To:	Dav	id Catanach		From:	Mark A. Philpy			
Fax:				Pages:	3 including cover pa	age		
Phone				Date:	09/01/98			
Re:	Re: Federal 27 #1 Injection Application		Application	CC:				
🗌 Urg	ent	For Review	🛛 Please C	omment	🗆 Please Reply	🗆 Please Recycle		

• Comments:

As we discussed by telephone, we have acquired some data from the nearest producing well in the basal Entrada which is in the Eagle Mesa Field, approximately 4 miles south of our well. We feel as though the water quality will be very similar when we drill the open hole section for re-injection purposes in our well. Please find this analysis and also find a map showing the proximity of the two wells

Should you have further questions, please advise.

API WATER ANALYSIS

'ompany:	MERRION	W.C.N.A. Sample No.:	S106995
Se Field:		Legal Description:	
Well:	#1	Lease or Unit:	EAGLE MESA
Depth:		Water.B/D:	· · · -
Formation:	ENTRADA	Sampling Point:	
State:		Sampled By:	STEVE DUNN
County:		Date Sampled:	05/03/05
		Type of Water(Produced, Supply, ect.):	PROD.

PROPERTIES

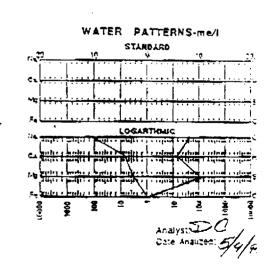
pH: Specific Gravity: Resistivity (ohm-meter): Tempature:	.81	Iron, Fe(total): Sulfide as H2S: Total Hardness: (see below)	0
		(see Derow)	
Tempature:	64F		

DISSOLVED SOLIDS

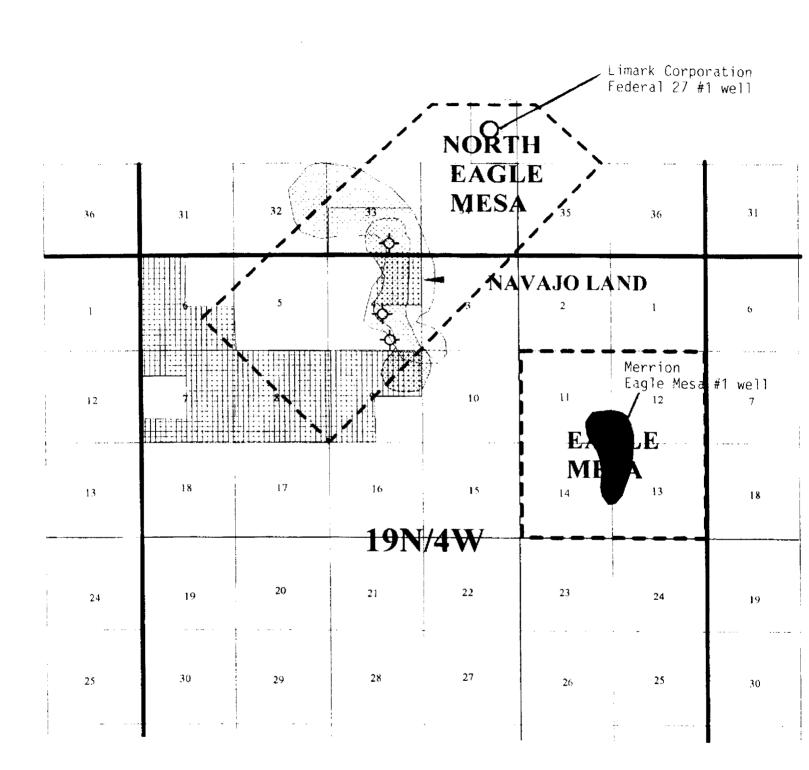
	CATIONS Sodium, Na: Calcium, Ca: Magnesium, Mg: Barium, Ba: Potassium, K:	49	me/1 : 162 : 8 : 4 : N/A :	<pre>Sample(ml): Sample(ml):</pre>	1.0 ml of EDTA: 1.0 ml of EDTA:	.40 .20
N:	ANIONS .5000Chloride, C1:	mg/l 1773	me/1 : 50	Sample(ml):	1.0 ml of AgNO3:	.10

Sulfate, SO4:	5000	:	104			
Carbonate, CO3:		:		Sample(ml):	1.0 ml of H2504:	
Bicarbonate, HCO3:	1220	:	20	Sample(ml):	1.0 ml of H2SO4:	.20
Total Dissolved						
Solids (calculated):						•
Total Hardness:	600			<pre>Sample(ml):</pre>	1.0 ml of EDTA:	.60

REMARKS AND RECOMMENDATIONS:



1



	CHECKLIST for	ADMINIST	RATIVE	INJECTIC	ON APP	PLICATIONS
Operator:A	IK CORP.		We	I: 57	FEDE	RAC 21 No. 1
Contact: MARK	PATCAN	Title: <u>PRE</u>	5			Phone:
DATE	IN_7-27.98	RELEASE	DATE <u>8 -</u>	1.98	DATE	DUT <u>9 8-98</u>
Proposed Injection A	Application is for:			LOOD	-	Expansion Initial
Original Order: R			_Seconda	y Recovery	, –	Pressure Maintenance
SENSITIVE	AREAS		_ SALT W/	TER DISP	OSAL _	Commercial Well
WIPPCa	apitan Reef					
Data is complete for	r proposed well(s)?	Ad	ditional Dat	a Req'd _	WATE	R ANALYSIS ON
DATE IN 7-2.7-98 RELEASE DATE 8-11-98 DATE OUT 9-8-98 Proposed Injection Application is for:						
AREA of REVIEW	WELLS				INFER,	RED FROM MERRICH EXIL MESA
	Total # of	AOR		# of	Plugged	Wells
Operator: <u>CMMARE</u> <u>Conf</u> . Well: <u>Sera</u> <u>Forman</u> , <u>27</u> , <u>Mo. 1</u> Contact: <u>Mark</u> <u>Atterny</u> <u>Title:</u> <u>PREss</u> . Phone:	of P & A's					
			9		R Repair	Required
INJECTION FORM	1				·	
Injection Fo	rmation(s))	Compatible Analysis
Source of Water or I	Injectate	ENTRAG	a (U	<u>rper</u>		
PROOF of NOTICE						
	_ Copy of Legal Noti	се			mation F	Printed Correctly
\searrow	Correct Operators			💛 Copi	ies of Ce	ertified Mail Receipts
10	Objection Receive	b	S	et to Hearir	ng	Date
NOTES:	E.BOSCH	· B AZT	<u>ec pro</u>	10 CON	CERNS	BROUT MITS - THIS
15 SIMUL	ATTONS PRO	DUCER /	DISPOSO	L. /	MIT	(PRISSURE) EVERY 2 YEAR
					×	
COMMUNICATION WITH CONTA	CT PERSON:					
1st Contact:	X Telephoned	Letter	0 78 _{Date}	Nature of Discu	ssion <u>V</u> E	RBAC
				Nature of Discu	ssion	
3rd Contact:	Telenhoned	etter	Date	Nature of Discu	naian	

pre 1374

5410

PROP = 3491

D155 = 02

990 N 1980 E ഫ 7,185,275,3

5770-02 - 61570-01 6000-03 30 005 (20805

915-682-4874

713 296 7152

coup 1/1/00 Print 1.22.98

COMPANY: Limark	Corpora	ation			
VELL Federa	No. 27	-			
HELD Wildcat	t - Entra	da			
OUNTY: Sando	/al	STATE:	New Mo	exico	
BCHlum SChlum 1395'FSL & 15 1395'FSL & 15		-	FL / GR	6864 F	
Mildcat - Entrada 1395 FSL & 1212 1395 FSL & 1212 1395 FSL & 1212 Permanent Dat LOCATION LOCATION Drilling Measured Drilling Measured	From: Kelly	und Level y Bushing y Bushing	G.L. D.F. Elev.: <u>6847</u> 17.0 F above	6847 F 6864 F F e Perm. Datum	
Drilling Measur	ial No.	SECTION 27	TOWNSHIP 20N	RANGE 4W	
gging Date n Number pth Driller hlumberger Depth ttom Log Interval p Log Interval sing Driller Size @ Depth	9 January 1998 One 6040 F 6040 F 6040 F 2000 F 9.625 IN	@ 324 F			
sing Schlumberger Size pe Fluid In Hole ensity Viscosity uid Loss PH surce Of Sample	326 F 8.750 IN L S.N.D. 9.8 LB/G 8 C3 Circulation Tank				
@ Measured Temperature IF @ Measured Temperature IC @ Measured Temperature urce RMF RMC I @ MRT RMF @ MRT wimum Recorded Temperatures	3.230 OHMM 2.970 OHMM 2.550 OHMM Calculated 2.033 @ 139 139 DEGF	· · · · · · · · · · · · · · · · · · ·	@ @	@ @ 	
culation StoppedTimegger On BottomTimeit NumberLocationcorded By	8-Jan-98 9-Jan-98 3015 Roswe Brooke A. Werne		1		······································

∜

COMPANY	: Limark	Corpor	ation					
WELL:	Federa	il No. 27	- 1					
FIELD:	Wildca	t - Entra	da					
COUNTY:	Sando	val	STAT	E:	New Me	exico		
	Schlun	nberger		ehole 1pens ic				
Wildcat - Entrada 1395' FSL & 1575' F Federal No. 27 - 1 Limark Corporation	1395' FSL & 1		Elev.: K.B. 6864 F G.L. 6847 F D.F. 6864 F					
on: any:	Permanent Da Log Measured Drilling Measu	From: Kell	und Level y Bushing y Bushing		Elev.: <u>6847</u> 17.0 F above	F e Perm. Datur	n	
Field: Location: Well: Company	API Se	erial No.	SECTI 27	1	TOWNSHIP 20N	RANGE 4W		
Logging Date Run Number Depth Driller Schlumberger Dep Bottom Log Interva		9 January 1998 One 6040 F 6040 F 6040 F						
Top Log Interval Casing Driller Size Casing Schlumber Bit Size		326 F 9.625 IN 326 F 8.750 IN	@	324 F		@		
Type Fluid In Hole Density Fluid Loss Source Of Sample		L.S.N.D. 9.8 LB/G 8 C3 Circulation Tanl						
RM @ Measured T RMF @ Measured RMC @ Measured Source RMF	Temperature	3.230 OHMM 2.970 OHMM 2.550 OHMM Calculated	@ 85	DEGF DEGF DEGF		@ @		
RM @ MRT Maximum Recorde Circulation Stoppe	RMF @ MRT d Temperatures	2.033 @ 139 139 DEGF 8-Jan-98		0 139 09:00	@	@		
Logger On Bottom Unit Number Recorded By	Location	9-Jan-98 3015 Roswe Brooke A. Wern M. Philpy, D. Ke	er	03:00				
Witnessed By		<u> w. emipy, D. Re</u>		Garunug				