ALPHA TWENTY-ONE PRODUCTION COMPANY

POST OFFICE BOX 1206 JAL, NEW MEXICO 88252

April 18, 1984

Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

ATTN: Mr. Joe Ramey

RE: BRC Madera No. 1 Sec. 29, T-22-S, R-27-E, Eddy County, New Mexico

OLL CONSERVATION DIVISION SANIA 72

Case 8215

Gentlemen:

Enclosed for your review and approval please find our Application for Classification as a Hardship Gas Well on the above referenced well.

To support our request for the Hardship Classification, we can examine the recent history of the well and find that after a shut-in period, production on the well drops substantially. For example, on August 15, 1982, the well was accidentally shut-in. Up to this point, the well flowed up to 31 MMCF per month. After the shut-in, we could not get the well back to flowing and on August 21, 1982, we rigged up to swab. After swabbing for seven days, twelve hours per day, (at a cost of \$872.00 per day), the well finally started flowing. The average swab was 52 BWPD. We have since averaged only 21 MMCF per month. As you san see, because of this accidental shut-in, we have lost 30% of our daily production and we are thoroughly convinced that if the well is shut back or shut-in again, we will lose more or all of our production and thus lose the well.

No attempts to rectify the water volume problem have been made due to the fact that to install smaller than 2-3/8" bore tubing or other de-watering devices such as plunger lift, rod pumping units, etc., would cause us to kill the well with water and as stated in the example above, such attempts could, in all probability, cause a loss of production or even the complete loss of the well. Another factor to consider, with the present decreased market for natural gas, is the economic feasability of rectifying the water volume problem.

505/395-3056

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Application for Classification as a Hardship Gas Well BRC Madera No. 1 -Page 2-

If for some reason the well is lost and premature abandonment of the well were to take place, the calculated quantity of gas reserves which would be lost is approximately two billion cubic feet of gas. To prevent this waste and protect our correlative rights, we would, therefore, request administrative approval to produce this well at it's present rate or at least at a minimum rate of 600 MCF per day and given the circumstances and problems we have had with this well, that our Application for Classification as a Hardship Gas Well be approved.

Also please find for your review and records the following supportive information:

- (1) Ownership map
- (2) Wellbore sketch
- (3) Production history of the well
- (4) Multipoint and one-point Back Pressure Test
- (5) Copy of letter to offset operators
- (6) C-102
- (7) Certified Statement

If you desire any further information, please contact me.

Sincerely, Micha

Michael D. Oney, () Drilling Superintendent

MDO/tic Enclosures

cc: Oil Conservation Division P.O. Drawer DD Artesia, NM 88210 El Paso Natural Gas P.O. Box 1492 El Paso, TX 79978

Alpha Twenty-One Production Company 2100 First National Bank Building Midland, TX 79701

	Ì	APPLIC	ATION FOR CLASSIFIC.	TION AS HARDS	SHIP GAS WELL	Case					
Oper	ator	Alpha Twenty-One	Production Co.	Contact Par	ty <u>Michael D.</u>	Oney					
Addr	ess	P.O. Box 1206 Ja	l, New Mexico 88252	2	Phone No. 505	-395-3056					
Leas	se <u>B</u> F	C Madera	Well No. <u>1</u> UT	<u>B</u> Sec. <u>29</u>	TWP22 Sout	h rge 27	East				
Pool	LNT	South Carlsbad	Morrow	Minimum Rate	Requested 6	OO MCFPD					
Tran	rspo	Nome El Paso Na	tural Gas Company	Purchaser	(if different) _						
Are	you	seeking emergency "	hardship" classific	ation for this	s well?	yes X	no				
		t must provide the lifies as a hardshi	following informati p gas well.	on to support	his contention	that the	subje				
	wast	e" will occur if th uce. (The definiti	the problem that le e subject well is s on of underground w	hut-in or is d	curtailed below	its abilit	vto				
2)	Docu elim	ment that you as ap inate or prevent th	plicant have done a e problem(s) leadin	ll you reasona g to this appl	ably and economi lication.	cally can	do to				
	a)	Well history. Exp attempts have been	<pre>lain fully all atte made, explain reas</pre>	mpts made to p ons for failu	rectify the prob re to do so.	olem. If n	0				
	b)		on of the well(prov s to rectify the pr								
			allbore" tubing; ii ing units, etc.) other de-wat	tering devices,	such as pl	.unger				
		ent historical data ld include:	which demonstrates	conditions th	hat can lead to	waste. Su	ich da				
	a)	Permanent loss of productivity after shut-in periods (i.e., formation damage).									
	b}	Frequency of swabbing required after the well is shut-in or curtailed.									
	c)	Length of time swa shut-in.	bbing is required t	o return well	to production a	fter being	ſ				
	đ)	Actual cost figure	s showing inability	to continue o	operations with	out special	. reli				
4)	If f aban	ailure to obtain a donment, calculate	hardship gas well c the quantity of gas	lassification reserves which	would result in ch would be lost	n premature :	2				
5)		the minimum sustai	nable producing rat	e of the subje	ect well. This	rate can b	e'				
	a)	Minimum flow or "]	og off" test; and/o	r .							
	b)	gas/water ratio, b	ell production hist oth before and afte production data).	r shut-in per	g rates a nd pres iod s due to t he	ssures, as well dying	well g, and				
6)	Att owne	ach a plat and/or matrix and/or matrix and the set of all offset	p showing the prora ting acreage.	tion unit ded	icated to the we	ell and the	9				
7)	Subr clas	nit any other approp ssification.	oriate data which wi	ll support th	e n ce d for a ha:	rdship					
8)	If t stat	the well is in a pro	prated pool, please	show its curr	ent under- or o	ver-produce	ed				
÷)	app app name	lication is true and Lication has been su	ent certifying that I correct to the bes Ibmitted to the appr of the application h	t of your know opriate Divis	wledge; that one ion district of	e copy of t fice (give	the				
		EXHIBIT "B"	CASE NO. 80	77	ORDER NO. F	-7453					

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1) Definition of Underground Waste.

'Underground Waste as those words are generally understood in the oil and gas business, and in any event to embrace the inefficient, excessive, or improper use or dissipation of the reservoir energy, including gas energy and water drive, of any pool, and the locating, spacing, drilling, equipping, operating, or producing, of any well or wells in a manner to reduce or tend to reduce the total quantity of crude petroleum oil or natural gas ultimately recovered from any pool, and the use of inefficient underground storage of natural gas."

- 2) The only acceptable basis for obtaining a "hardship" classification is prevention of waste with the burden of proof solely on the applicant. The applicant must not only prove waste will occur without the "hardship" classification, but also that he has acted in a responsible and prudent manner to minimize or eliminate the problem prior to requesting this special consideration. If the subject well is classified as a "hardship" well, it will be permitted to produce at a specified minimum sustainable rate without being subject to shut-in by the purchaser due to low demand. The Division can escind approval at any time without notice and require the operator to show cause why the classification should not be permanently rescinded if abuse of this special classification becomes apparent.
- 3) The minimum rate will be the <u>minimum sustainable</u> rate at which the well will flow. If data from historical production is insufficient to support this rate (in the opinion of the Director), or if an offset operator or purchaser objects to the requested rate, a minimum flow ("log off") test may be required. The operator may, if he desires, conduct the minimum flow test, and submit this information with his application.
- 4) If a minimum flow test is to be run, either at the operator's option or at the request of the Division, the offset operators, any protesting party, the purchaser and OCD will be notified of the date of the test and given the opportunity to witness, if they so desire.
- 5) Any interested party may review the data submitted at either the Santa Fe office or the appropriate OCD District Office.
- 6) The Director can approve uncontested applications administratively if, in his opinion, sufficient justification is furnished. Notice shall be given of <u>intent to approve</u> by attaching such notice to the regular examiner's hearing docket. Within 20 days following the date of such hearing, the affected parties will be permitted to file an objection. If no objection has been filed, the application may be approved.
- 7) Should a protest be filed in writing, the applicant will be permitted to either withdraw the application, or request it to be set for hearing.
- 8) An emergency approval, on a temporary basis for a period not to exceed 90 days, may be granted by the District Supervisor, pending filing of formal application and final action of the OCD Director. This temporary approval may be granted only if the District Supervisor is convinced waste will occur without immediate realief. If granted, the District Supervisor will notify the purchaser.
- After a well receives a "hardship" classification, it will be retained for a period of one year unless rescinded sooner by the Division. The applicant will be required to certify annually that conditions have not changed substantially in order to continue to retain this classification.
- 10) Nothing here withstanding, the Division may, on its own motion, require any and all operators to show cause why approval(s) should not be rescinded if abuse is suspected or market conditions substantially change in the State of New Mexico.
- 11) A well classified as a "hardship well" will continue to accumulate over and under production (prorated pools). Should allowables exceed the hardship allowable assigned, the well will be permitted to produce at the higher rate, if capable of doing so, and would be treated as any other non-hardship well. Any cumuliative overproduction accrued either before or after being classified "hardship" must, however, be balanced before the well can be allowed to produce at the higher rate.

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ALPHA TWENTY-ONE PRODUCTION COMPANY

POST OFFICE BOX 1206 JAL NEW MEXICO 88252

April 18, 1984

Cities Services Company P.O. Box 1919 Midland, TX 79702 RE: BRC Madera No. 1 Sec. 29, T-22-S, R-27-E,

Eddy County, New Mexico

Gentlemen:

As an offset operator, please be informed that we are applying for a Hardship Gas Well Classification on our above referenced well.

Enclosed for your review and records please find one copy of each of the Application for Classification as a Hardship Gas Well and an ownership map showing the proration unit dedication and ownership of all offsetting acreage.

If you have any questions concerning this application should be directed to the Oil Conservation Commission of New Mexico in Santa Fe, New Mexico

Sincerely, Michael D. Oney,

Drilling Superintendent

MDO/tic Enclosures

cc: Antweil Oil Company P.O. Box 2010 Hobbs, NM 88240

> Belco Petroleum Corporation 10000 Oil Katy Road, Suite 100 Houston, TX 77055

Coquina Oil Corporation P.O. Drawer 2960 Midland, TX 79702

Union Oil Company of California P.O. Box 3110 Midland, TX 79702 El Paso Natural Gas Company P.O. Box 1492 El Paso, TX 79978

Husky Oil Company 6060 S. Willow Drive Englewood, CO 80111

Mabee Petroleum Corporation 901 Petroleum Building Midland, TX 79701

Alpha Twenty-One Production Company 2100 First National Bank Building Midland, TX 79701

605/395-6056

ALPHA TWENTY-ONE PRODUCTION COMPANY Tabulation of Production BRC Madera Sec. 29, T22S, R27E Eddy County, New Mexico Carlsbad Morrow So.

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	Gas MCF	Annual Cumulative	Total <u>Cumulative</u>	Oil Bbls	Annual Cumulative	Total Cumulative
1978 March April May June	14,350 28,314 31,751 29,039 30,673	42,664 74,415 103,454 134,127				
July August September October November December	30,459 29,327 34,910 41,682 36,157	164,586 193,913 228,823 270,505 306,662	306,662			143
<u>1979</u> January February March April May June July August	40,344 36,798 40,924 38,058 37,148 36,059 33,211 33,303	77,142 118,066 156,124 193,272 229,331 262,542 295,845		56 65 39 -52 36 15 10		
September October November December	32,668 35,004 33,243 33,318	328,513 363,517 396,760 430,078	, 736,740	24 18 42 61	424	567
1980 January February March April May June July August September October November December	34,393 31,717 34,334 32,466 29,218 29,129 29,676 32,332 31,066 30,825 29,263 29,891	66,110 100,444 132,910 162,128 191,257 220,933 253,265 284,331 315,156 344,419 374,310	1,111,050	28 24 54 36 17 22 20 19 32 46 39 50	387	954
1981 January February March April May June July August September October November December	29,156 26,221 28,548 27,513 28,243 26,339 26,565 25,503 23,776 24,189 23,152 22,143	241,864 266,053 289,205	1,166,427 1,194,975 1,222,488 1,250,731 1,277,070 1,303,635 1,329,138 1,352,914 1,377,103 1,400,255 1,422,398	18 40 26 25 25 23 16 0 0 0 0 0	58 84 109 134 157 173 173 173 173 173 173	
<u>1982</u> January February March April May June July August September October November December	21,727 23,982 26,704 25,002 24,535 24,499 24,984 15,503 19,611 20,820 20,055 24,038	45,709 72,413 97,415 121,950 146,449 171,433 186,936 206,547 227,367 5 247,422	1,444,125 1,468,107 1,494,811 1,519,813 1,544,348 1,568,847 1,593,831 1,609,334 1,628,945 1,649,765 1,669,820 1,693,858	0 23 0 0 0 0 0 0 0 0 0 0	0 0 23 23 23 23 23 23 23 23 23 23 23 23	1,127 1,150 1,150 1,150 1,150 1,150 1,150 1,150 1,150 1,150 1,150

ALPHA TWENTY-ONE PRODUCTION COMPANY Tabulation of Production BRC Madera Sec. 29, T22S, R27E Eddy County, New Mexico Carlsbad Morrow So.

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	Gas	Annual	Total	Oil	Annual	Total
	MCF	Cumulative	<u>Cumulative</u>	Bbls	Cumulative	Cumulative
1983 January February March April May June July August	21,810 19,117 23,539 24,364 25,294 21,808 23,253 21,867	21,810 40,927 64,466 88,830 114,124 135,932 159,185 181,052	1,715,668 1,734,785 1,758,324 1,782,688 1,807,982 1,829,790 1,853,043 1,874,910	0 0 55 0 0 0 0 0	0 0 55 55 55 55 55 55 55	L,150 1,150 1,205 1,205 1,205 1,205 1,205 1,205 1,205
September	21,751	202,803	1,896,661	0	55	1,205
October	21,353	224,156	1,918,014	0	55	1,205
November	19,688	243,844	1,937,702	0	55	1,205
December	23,483	267,327	1,961,185	0	55	1,205

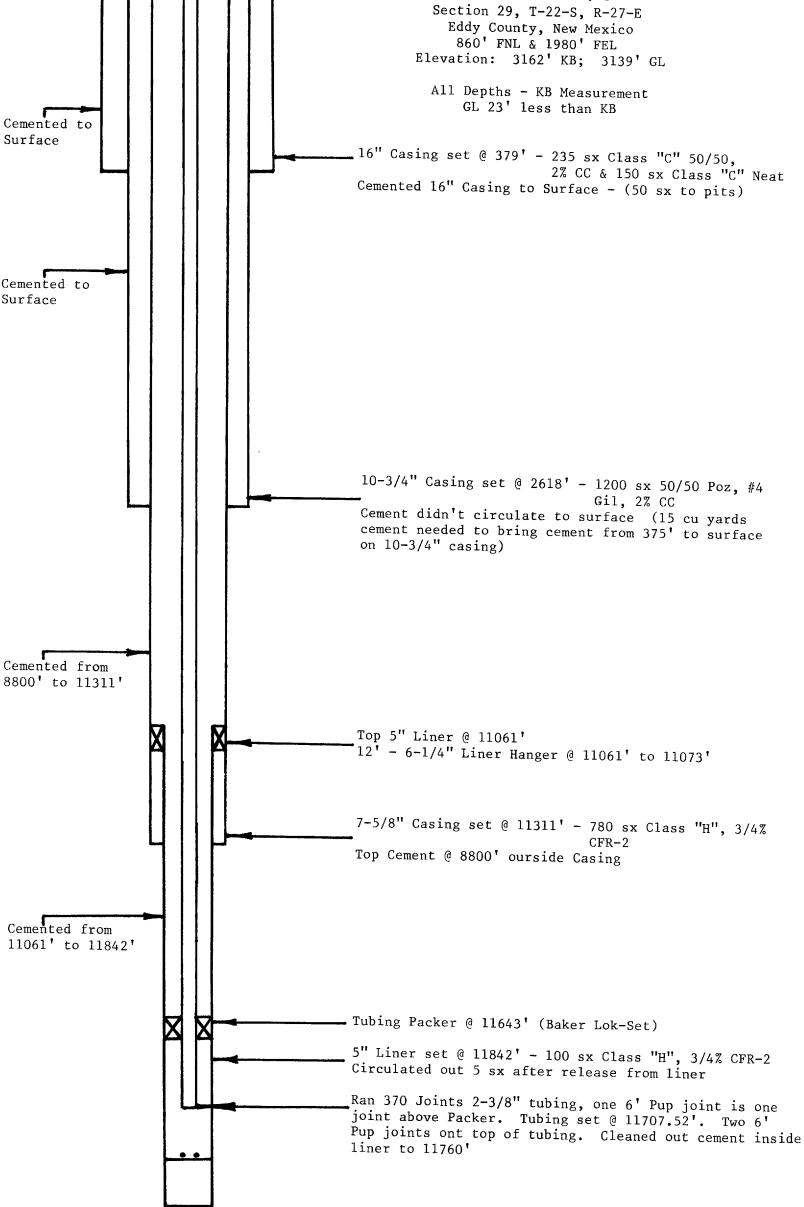
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Page 2

MEW MEXICO OIL CONSERVATION COMPASSION MULTIPOL AND ONE POINT BACK PRESSURE OF FOR GAS WELL

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BRC MADERA NO. 1



ALPHA TWENTY-ONE PRODUCTION COMPANY

POST OFFICE BOX 1206 JAL, NEW MEXICO 88252

505/395-3056

April 18, 1984

I, Michael D. Oney, certify that all foregoing information submitted with the Application for Classification as Hardship Gas Well on the BRC Madera No. 1, Sec. 29, T-22-S, R-27-E, Eddy County, New Mexico is true and correct to the best of my knowledge and further atest that one copy of the Application has been submitted to the appropriate Division district office (Oil Conservation Division, P.O. Drawer DD, Artesia, NM 88210) and that notice of this application has been given to the transporter/purchaser (El Paso Natural Gas Company, P.O. Box 1494, El Paso, Texas 79978) and notice of this application has been given to all offset operators.

Michael D. Oney, Drilling Superintendent