#756 /



State of New Mexico Commissioner of Public Lands

April 6, 1990

W. R. Humphries COMMISSIONER

Advisory Board

George Clark Chairman Kristin Conniff Vice Chairman Melvin Cordova Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

Harvey E. Yates Company P.O. Box 1933 Roswell, New Mexico 88202-1933

ATTN: Mr. Larry Brooks

Lea County, New Mexico Automatic Elimination

Gentlemen:

RE :

According to Section 9 of the Unit Agreement, "Notwithstanding of the provisions of this Agreement to the contrary, any all undeveloped regular well spacing or proration unit tracts within the unit boundaries embracing lands of the State of New Mexico shall be automatically eliminated from this Agreement and shall longer be a part of the unit or be further subject to no the terms of this Agreement unless at the expiration of five years (5) after the first day of the month following the effective date of this Agreement diligent drilling operations are in progress on said tracts".

Our record show that the only development within the Richardson Unit is the Richardson Unit No. 1 well. This well is located in SW/4 SW/4 Section 32 of T13S, R36E in Lea County, New Mexico. The proration unit for this well is the S/2 of Section 32, T13S, R36E which includes lands held by State Lease LG-6476. Thus, the Richardson Unit has contracted under provisions of the automatic elimination clause to include the S/2 of Section 32, T13S, R36E.

A11 lands have been eliminated from the Unit State except for those held in the above described proration This unit. effective July 1, 1987. contraction is Please advise all interested parties.

We received copies of the revised Exhibits A and B to the Unit Agreement which reflect this contraction with your 1990 Plan of Development. If we may be of further help, please do not hesitate to contact Susan Howarth at (505) 827-5791.

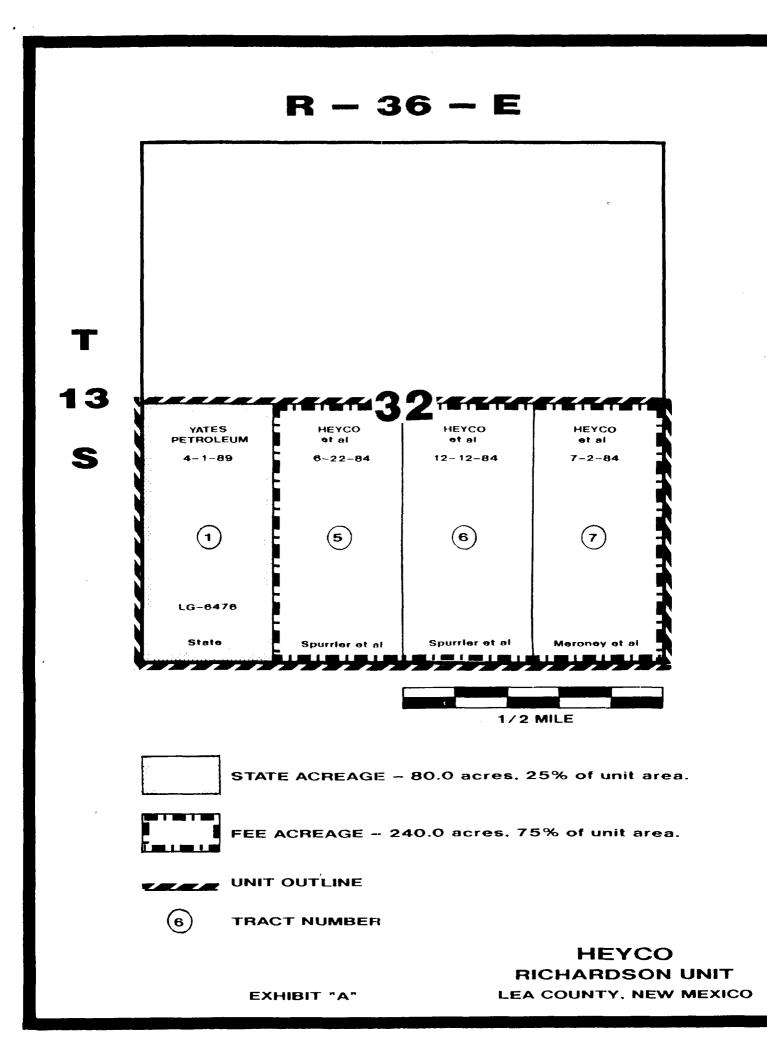
Very truly yours,

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W.R. HUMPHRIES, COMMISSIONER OF PUBLIC LANDS BY: FLOYD O. PRANDO, Director Oil and Gas Division (505) 827-5749

cc: OCD - Santa Fe BLM Unit Correspondence File Unit P.O.D. File

WRH/FOP/SMH



UNIT AREA TOWNSHIP 13 SOUTH, RA Section 31: S/2 Section 32: S/2	COMMISSIONER: 6/7/82	DATE
UNIT AREA TOWNSHIP 13 SOUTH, RANGE 36 EAST N. M. P. M. Section 31: S/2 (Loto 3, 1, E/2SW/4, SE/4 - Eliminated Effective Section 32: S/2	_	OCC CASE NO. 7567
- Eliminated Ef	6/7/82	County EFFECTIVE DATE
tech +/1/27	1,283.35 320.00	Lea TOTAL ACREAGE
7/1/27 - Automatic Elimination	402.33 80.00	STATE
ination	-0-	FEDERAL
	00 042	¥₩₩₩₩
		STRICT SEGREGATION CLAUSE
	2 yea⊁	TERM

Operator Harvey E. Yates Company

Unit Name_

Richardson Unit - EXPLORATORY

TOWNSHIP 14 SOUTH, RANGE 36 EAST, N. M. P. M.

Saction 6: AFT (Lots 1, 2, 3, 4, 5, 6, 7, SE/4NW/4, E/2SW/4, S/2NE/4, SE/4) - Eliminated Effective 7/187 -Automatic Elimination

		-			Operator County	LEA			•	
STATE TRACT NO.	LEASE NO.	INSTI- TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED DATE	ED ACRES	ACREAGE NOT RATIFIED	LESSEE
	LG-6476	C.S.	32	13S	36E	W/2SW/4	11/15/81	80.00	ł	Yates Petroleum Corporatic
23	- 7-223	C.S.	6	145	-36E	Lots 3, 4, 5, 6, 7,	12/8/81	322.33 Eliminated		Harvey E. Yates Com pany
						<u>-SE/4NW/4, E/2SW/4</u>		[:		
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State of New Mexico Commissioner of Public Lands

W.R.Humphries April 6, 1990 COMMISSIONER

Advisory Board Harvey E. Yates Company George Clark P.O. Box 1933 Chairman Roswell, New Mexico 88202-1933 Kristin Conniff Vice Chairman Melvin Cordova Mr. Larry Brooks ATTN: Joe Kelly RE: Atomement init **Robert Portillos** Lea County, New Mexico Nancy Lynch Vigil 1990 Plan of Development **Rex Wilson**

Gentlemen:

The Commissioner of Public Lands has this date approved the 1990 Plan of Development for the Richardson Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside the Unit Area and the need for further development of the Unit may exist. You will be contacted at a later date regarding these possibilities.

Enclosed is an approved copy of the 1990 Plan of Development for your files. If we may be of further help, please do not hesitate to contact Susan Howarth at (505) 827-5791.

Very truly yours,

W.R. HUMPHRIES, COMMISSIONER OF PUBLIC LANDS

BY: Lowle Man FLOYD O. PRANDO, Director Oil and Gas Division (505) 827-5749

cc: OCD - Santa Fe BLM Unit Correspondence File Unit P.O.D. File

WRH/FOP/SMH

HEYCO

DIVIMARVEY E. YATES COMPANY

PETROLEUM PRODUCERS

ONE SUNWEST CENTRE

ENTRE 505 / 623-6601 FAX 505 / 622-4221 ROSWELL, NEW MEXICO 88202-1933

March 27, 1990

P.O. BOX 1933

fill 9 12

3-29-90 D-UNIT LETTER The Ry

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

Attention: William LeMay, Director

Re: **Children Unit** S/2 Section 32, T-13S, R36E, N.M.P.M. Lea County, New Mexico 1990 Plan of Development & Operation

Gentlemen:

Because of the continuing depressed gas market and the high cost of exploring for gas in tight formations, Harvey E. Yates Company (HEYCO) has no plans at this time to drill any deep gas wells in this State-approved unit during 1990.

As you are aware, we are planning a three-stage operation in the nearby Duncan Unit in 1990 and 1991. If these operations prove encouraging, we will take another look at possible development in the Richardson Unit.

Enclosed for your information are the following:

1. Production statistics on the Richardson Unit #1, including cumulative figures for oil, gas and water.

2. Revised Exhibit "A-1" to the Unit Agreement.

3. Revised plat showing present unit outline.

HEYCO would appreciate receiving approval of this plan from the Oil Conservation Division. We are also writing the office of the Commissioner of Public Lands and asking for their approval.

Very truly yours,

Query esemany (Rosemary T/ Avery Senior Landman

RTA/dlm Enclosures richpd90.ocd/LL

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EXHIBIT "A-1"

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS

			RICHA LEA COUNT	RICHARDSON UNIT LEA COUNTY, NEW MEXICO		
TRACT	NUMBEF OF	NUMBER SERIAL NUMBER OF & EXPIRATION	BASIC ROYALTY AND	LESSEE OF RECORD AND	OVERRIDING ROYALTY AND	WORKING INTEREST AND
NO. DESCRIPTION OF LAND	ACRES	DATE OF LEASE	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE
STATE OF NEW MEXICO LANDS:	1					
Township 13 South, Range 36 East, N.M.P.M.	36 East, N	и.м.Р.м.				

Sec. 32: W/2 SW/4 80.0 LG-6476 4-1-89 State of New Mexico Yates Petroleum 12.57 Corporation 10 Corporation 100% W. T. Wynn .2007 Corbett Petroleum, .375% Inc. R. C. Smith .1257
 Corporation
 12.5000007

 MYCO Industries
 12.5000007

 ABO Petroleum Co.
 12.5000007
 Corporation Yates Petroleum Yates Energy Corp. 3.750000% Explorers Petroleum Company Spiral, Inc. Harvey E. Yates 38.7500002 3.750000% 3.7500002

Yates Drilling Co 12.500000%

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TOTAL STATE OF NEW MEXICO LANDS: 80.0 net acres - 25.00% of Unit Area

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Sec.	Sec.	Sec.	Sec.	PATENTED Township	} -	
32: E	32 •	32:	32: 1	(FEE) 13 Sou	RIPTI	
E/2 SW/4	E/2 SW/4	E/2 SW/4	E/2 SW/4	(FEE) LANDS: 13 South, Ra	DESCRIPTION OF LAND	
				DS: Range 36	LAND	
80.0 (5.0 Net)	80.0 (5.0 Net)	80.0 (60.0 Net)	80.0 (10.0 Net)	East,	NUMBER OF ACRES	
6-22-84	1-9-85	1-9-85	12-13-84	N.M.P.M.	SERIAL NUMBER & EXPIRATION DATE OF LEASE	
Louella Spurrier 18.752	Thelma Gorney 5/8 of 18.75% Barbara Young 1/8 of 18.75% Gary N. Joiner 1/8 of 18.75% J. N. Joiner 1/8 of 18.75%	Effie C. Wilson 1/2 of 18.75% Ann Meroney Robinson 1/2 of 18.75%	Alfred Leeman & Ruth Leeman 18.757		R BASIC ROYALTY AND E PERCENTAGE	RICHARDSON 1 LEA COUNTY, NEW
Harvey E. Yates Company 100%	Harvey E. Yates Company 100Z	Harvey E. Yates Company 100% on	Harvey E. Yates Company 100%		LESSEE OF RECORD AND PERCENTAGE	UNIT EW MEXICO
W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z	W. T. Wynn .502 Corbett Petroleum, Inc752 R. C. Smith .252	W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z	W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z		OVERRIDING ROYALTY AND PERCENTAGE	Pa
Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. 7.50000 Explorers Petroleum Corporation 7.50000	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. 7.5000 Explorers Petroleum Corporation 7.5000	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. 7.500000Z Explorers Petroleum Corporation 7.500000Z	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. Explorers Petroleum Corporation 7.5000		WORKING INTEREST AND PERCENTAGE	Page 2
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EXHIBIT "A-1"

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Revised 3/26/90

6	σ	6	6	TRACT NO.	
Sec. 32: W/2 SE/4	Sec. 32: W/2 SE/4	Sec. 32: W/2 SE/4	Sec. 32: W/2 SE/4	r DESCRIPTION OF LAND	
80.0 (5.0 Net)	80.0 (5.0 Net)	80.0 (60.0 Net)	80.0 (10.0 Net)	NUMBER OF ACRES	
12-13-84	1-9-85	1-9-85	12-13-84	SERIAL NUMBER & EXPIRATION DATE OF LEASE	
Louella Spurrier 18.75%	Thelma Gorney 5/8 of 18.75% Barbara G. Young 1/8 of 18.75% Gary N. Joiner 1/8 of 18.75% Joy N. Joiner 1/8 of 18.75%	Effie C. Wilson 1/2 of 18.75% Ann Meroney Robinson 1/2 of 18.75%	Alfred Leeman & Ruth Leeman 18.75%	BASIC ROYALTY AND PERCENTAGE	LEA COUN
Harvey E. yates Company 100%	Harvey E. Yates Company 100Z	Harvey E. Yates Company 100% on	Harvey E. Yates Company 100%	LESSEE OF RECORD AND PERCENTAGE	LEA COUNTY, NEW MEXICO
W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z	W. T. Wynn .50% Corbett Petroleum, Inc75% R. C. Smith .25%	W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z	W. T. Wynn .50% Corbett Petroleum, Inc75% R. C. Smith .25%	OVERRIDING ROYALTY AND PERCENTAGE	
Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. Explorers Petroleum Corporation 7.500000Z	Harvey E. Yates Company 77.500000Z Spiral, Inc. 7.500000Z Yates Energy Corp. 7.500000Z Explorers Petroleum Corporation 7.500000Z	Harvey E. Yates Company 77.500000Z Spiral, Inc. 7.500000Z Yates Energy Corp. 7.500000Z Explorers Petroleum Corporation 7.500000Z	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. 7.500000Z Explorers Petroleum Corporation 7.500000Z	WORKING INTEREST AND PERCENTAGE	Page 3

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EXHIBIT "A-1"

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RICHARDSON UNIT LEA COUNTY, NEW MEXICO

Revised 3/26/90

7	7	7	TRACT NO.	
Sec. 32:	Sec. 32:	Sec. 32:	DESCRIPTION OF LAND	
E/2 SE/4	E/2 SE/4	E/2 SE/4	ON OF LAND	
80.0 (1.187 Net)	80.0 (5.926 Net)	80.0 (1.187 Net)	NUMBER OF ACRES	
))) 7-2-84) 7-2-84	SERIAL NUMBER & EXPIRATION DATE OF LEASE	
Neoma Blanche Meroney 1/2 of 18.75% Lloyd Cecil Meroney 1/2 of 18.75%	Thelma Meroney 18.75%	Opal M. Storkman 18.75%	BASIC ROYALTY AND PERCENTAGE	RICHARDSON LEA COUNTY, NEW
Harvey E. Yates Company y	Harvey E. Y Company	Harvey E. Y. Company	LESSEE OF AND PERCEN	UNIT W MEXICO
ates 100%	Yates 100Z	Yates 100%	SEE OF RECORD AND PERCENTAGE	
W. T. Wynn .5 Corbett Petroleum Inc7 R. C. Smith .2	W. T. Wynn .! Corbett Petroleum Inc R. C. Smith .:	W. T. Wynn .5 Corbett Petroleum, Inc7 R. C. Smith .2	OVERRIDING ROY AND PERCENTAGE	
55 0	.50% .75% .25%	.507 .eum, .757 .257	ROYALTY IAGE	ра
Harvey E. Tales Company Spiral, Inc. Yates Energy Corp. Explorers Petroleum Corporation	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. Explorers Petroleum Corporation	Harvey E. Yates Company Spiral, Inc. Yates Energy Corp. Explorers Petroleum Corporation	WORKING INTEREST AND PERCENTAGE	Page 4
77.500000% 7.500000% . 7.500000% .m 7.500000%	77.500000Z 7.500000Z . 7.500000Z im 7.500000Z	77.500000Z 7.500000Z 7.500000Z 7.500000Z	EST	

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Sec. 32: E/2 SE/4

80.0 (2.963 Net)

A. M. Swarthout

Unleased

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F. L. Heidel

Unleased

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Sec. 32: E/2 SE/4

80.0 (2.963 Net)

EXHIBIT "A-1"

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Revised 3/26/90

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EXHIBIT "A-1"

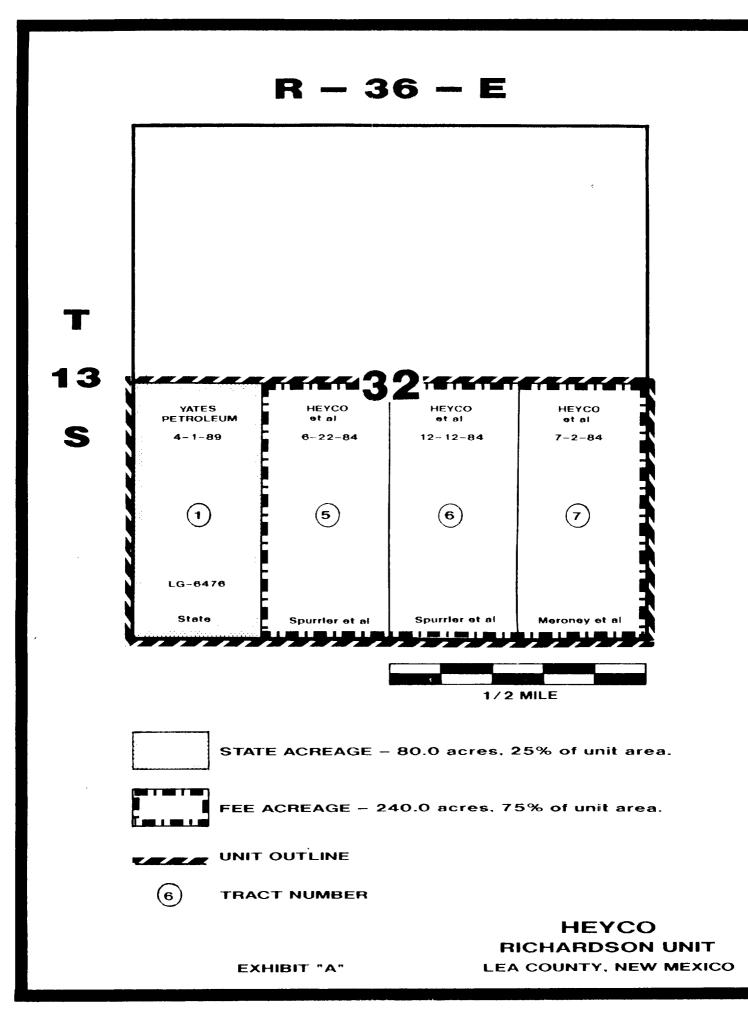
RICHARDSON UNIT LEA COUNTY, NEW MEXICO

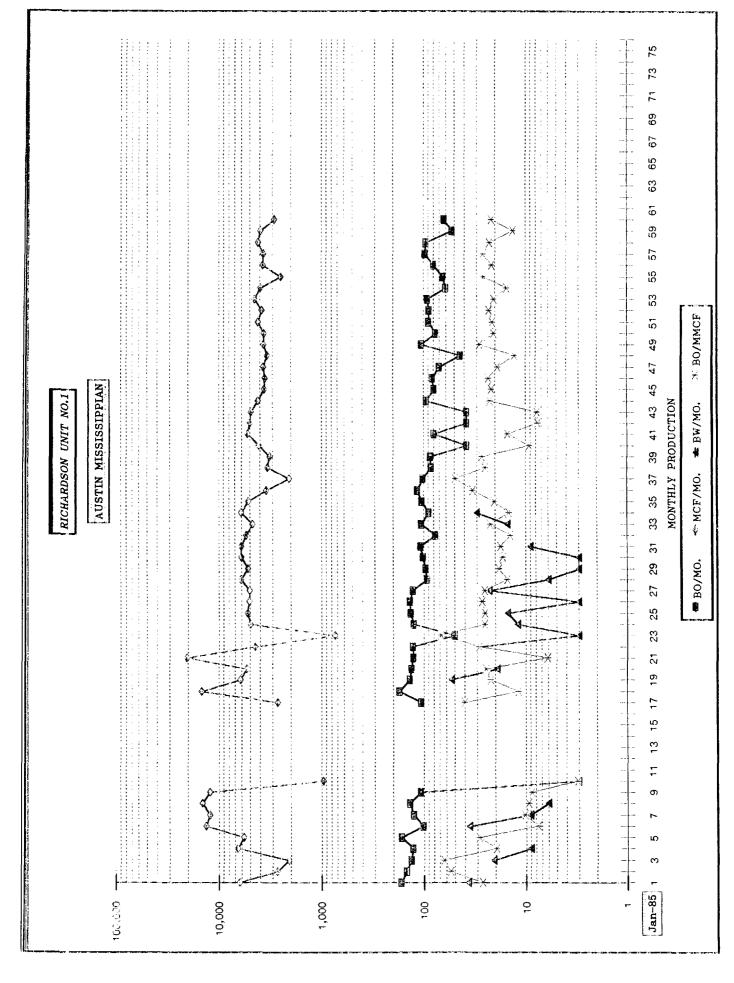
Pag∈ 5

۲	۲.	7	TRACT NO.
Sec. 32:	Sec. 32:	Sec. 32:	DESCRIPTION OF LAND
E/2 SE/4	E/2 SE/4	E/2 SE/4	N OF LAND
80.0 (1.187 Net)	80.0 (63.40 Net)	80.0 (1.187 Net)	NUMBER OF ACRES
5-29-85	<u>58-6-ī</u>	8-15-84	SERIAL NUMBER & EXPIRATION DATE OF LEASE
Pauline Meroney Burnett-18.75%	Effie C. Wilson 1/2 of 18.757 Ann Meroney Robinson 1/2 of 18.757	Edgar Meroney 18.75%	BASIC ROYALTY AND PERCENTAGE
Harvey E. Yates Company 100%	Harvey E. Yates Company 100% on	Harvey E. Yates Company 100%	LESSEE OF RECORD AND PERCENTAGE
W. T. Wynn .50% Corbett Petroleum, Inc75% R. C. Smith .25%	W. T. Wynn .50% Corbett Petroleum, Inc75% R. C. Smith .25%	W. T. Wynn .50Z Corbett Petroleum, Inc75Z R. C. Smith .25Z	D OVERRIDING ROYALTY AND PERCENTAGE
Harvey E. Yates Comapny Spiral, Inc. 7. Yates Energy Corp. 7. Explorers Petroleum Corporation 7.	Harvey E. Yates Company 77. Spiral, Inc. 7. Yates Energy Corp. 7. Explorers Petroleum Corporation 7.	Harvey E. Yates Company 77. Spiral, Inc. 7. Yates Energy Corp. 7. Explorers Petroleum Corporation 7.	WORKING INTEREST AND PERCENTAGE
77.500000 Z 7.500000 Z 7.500000 Z ⁿ 7.500000 Z	77.500000 2 7.500000 2 7.500000 2 7 .500000 2	77.500000 Z 7.500000 Z 7.500000Z ^B 7.500000Z	

TOTAL PATENTED (FEE) LANDS: 240.0 acres - 75.00% of Unit Area

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74421010.XLC RFN 3/21/90

3/21/90 1:56PM

PRODUCTION PLOT

FILE NAME:	74421-01-0			
WELL NAME:	RICHARDSON UNIT NO.1			
	AUSTIN MISSISSIPPIAN			
IVΕ	CUMULATIVE PRODUCTION:	BO	MCF	BW

	BW BO/MMCF	631 19		
	MCF	6,644 351,771	BW	289
	BO	6,644	MCF	59,985
ANTIATOO			BO	1,355
TCCTW NTICOV	VTIVE PRODUCTION:		PRIOR CUMS.	1984

Ŭ M	. / YR.	BO/MO.	MCF/MO.	BW/MO.	DAYS	BO/MMCF	OIL CUMS	GAS CUMS
]	Jan-85	167	6,293	37	25	27	1,522	66.278
0	Feb-85	148	2,712	0	21	55	1,670	68,990
ო ო	Mar-85	133	2,097	21	24	63	1,803	71,087
4	Apr-85	129	6,586	6	30	20	1,932	77,673
5	May-85	165	5,737	0	31	29	2,097	83,410
9	Jun-85	102	13,377	36	90	80	2,199	96,787
7	Jul-85	126	12,270	თ	31	10	2,325	109,057
8	Aug-85	137	14,479	ç	31	თ	2,462	123,536
6	Sep-85	108	12,319	0	29	6	2,570	135,855
10	Oct-85	e	965	0	-	ю	2,573	136,820
11	Nov-85	0	0	0	0	0	2,573	136,820
51	Dec-85	0	0	0	0	Ċ	2,573	136.820
13	Jan-86	0	0	0	0	0	2,573	136,820
4	Feb-86	0	0	0	0	0	2,573	136,820
15	Mar-86	0	0	0	0	0	2,573	136,820
16	AD1-86	0	0	0	0	0	2,573	136,820
17	Mav-86	107	2.682	0	5	40	2,680	1 39,502
8	Jun-86	174	14.803	0	30	12	2,854	154,305
19	Jul-86	137	6.219	54	31	22	2,991	160.524
20	Aug-86	132	5,383	19	31	25	3,123	165,907
21	Sep-86	127	20,627	0	30	9	3,250	186,534
22	Oct-86	128	4,470	29	29	29	3,378	191,004
23	Nov-86	50	736	ო	11	68	3,428	191,740
24	Dec-86	126	4,953	12	31	25	3,554	196,693
25	Jan-87	134	5,292	15	31	25	3,688	201,985
26	Feb-87	137	5,069	ო	27	27	3,825	207,054
27	Mar-87	128	5,036	23	29	25	3,953	212,090
28	Apr-87	93	6,146	G	90	15	4,046	218,236
29	Mav-87	96	5,221	e	31	18	4,142	223,457
30	Jun-87	102	6,077	ო	30	17	4,244	229,534
31	Jul-87	108	6,098	თ	31	18	4,352	235,632
32	Aug-87	77	5,433	0	31	14	4,429	241,065
33	Sep-87	106	4,730	15	30	22	4,535	245,795
34	Oct-87	68	6,058	90 90	30	15	4,624	251,853
35	Nov-87	105	5,163	, o	30	20	4,729	257,016
36	Dec-87	115	3,477	0	25	33	4,844	260,493
37	Jan-88	102	2.073	0	31	67	4,946	262,566
38	Feb-88	78	3,363	0	29	25	5,030	265,929
39	Mar-88	86	3,211	0	25	27	5,116	269,140
40	Apr-88	38	4,098	0	25	თ	5,154	273,238
41	May-88	80	5,290	0	31	15	5,234	278,528

74421010.XLS RFN 3/21/90

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	42	Jun-88	38	4,985	0	g	80	5,272	283,513
Aug-e8 34 4,11 0 31 23 5,404 CereB 79 3,646 0 32 5,483 CereB 79 3,715 0 30 23 5,646 Nov-B8 70 3,715 0 30 23 5,646 Nov-B8 70 3,713 0 28 13 5,646 Jan-B9 16 3,713 0 28 23 5,646 Jan-B9 76 3,713 0 31 20 6,130 Jun van B 91 3,647 0 31 20 6,130 Jun van B 97 3,647 0 31 20 6,130 Jun van B 97 3,647 0 31 20 6,130 Jun van B 51 3,538 0 31 20 6,544 Jun van B 51 3,676 0 31 20 6,544	43	Jul-88	38	4,924	0	ဓ	8	5,310	288,437
Sep-e8 79 3,646 0 30 22 5,483 Nov-e8 70 3,153 0 23 5,593 5,563 Nov-e8 70 3,173 0 28 2,313 0 5,673 Jan-e9 16 3,173 0 28 2,181 0 3,63 Mar-e9 8 3,613 0 36 23 5,679 5,679 Mar-e9 8 3,617 0 30 15 5,950 Mar-90 8 3,675 0 31 23 5,950 Jun-90 5 3,967 0 37 23 5,950 Jun-90 5 3,967 0 37 23 5,644 Mar-90 5 3,967 0 36 5,644 Mar-90 5 3,967 0 36 5,644 Mar-90 5 3,967 0 36 5,644 Mar-90	4	Aug-88	94	4,171	0	31	23	5,404	292,608
Oct-68 R2 3.549 0 30 23 5.565 Nov-88 70 3.713 0 28 19 5,635 Dece 88 70 3.713 0 28 19 5,635 Jan-69 106 3.717 0 28 27 5,635 Jan-69 106 3.717 0 28 27 5,635 Jan-89 16 3,827 0 38 23 6,033 Marea 88 3,827 0 37 26 6,130 Jun-99 55 3,967 0 37 23 6,033 Jun-90 53 3,967 0 37 23 6,581 Jun-90 53 3,967 0 37 23 6,584 Jun-90 53 3,967 0 37 23 6,544 Jun-90 54 1 0 5,644 5,544 Jun-90 5,	45	Sep-88	79	3,646	0	ଚ୍ଚ	22	5,483	296,254
Nov-ee T0 3,715 0 2655 Jan-e-86 16 3,717 0 26 5,665 Jan-e-86 16 3,717 0 26 5,665 Jan-e-80 16 3,717 0 26 5,965 Jan-e-80 89 3,717 0 26 5,965 Anra-80 89 3,827 0 31 20 6,936 May-80 92 4,488 0 31 21 6,130 Jun-80 61 3,738 0 31 21 6,130 Jun-80 86 3,738 0 31 21 6,130 Jun-80 53 3,967 0 31 23 6,543 Vov-80 53 3,967 0 31 23 6,544 Jun-90 Nov-90 1 0 6,644 14 14 Jun-90 Jun-90 Jun-90 Nov-90 0 6,64	46	Oct-88	82	3,549	0	30	23	5,565	299,803
Dec-88 44 3.413 0 30 13 5.673 Jan-90 76 3.717 0 22 5.673 Feb-90 76 3.717 0 23 5.663 Feb-90 76 3.717 0 23 5.663 Mar-90 89 4.181 0 31 21 5.663 Mar-90 80 3.365 0 33 23 5.03 5.03 Mar-90 80 3.365 0 31 21 6.03 7.13 Jun-80 65 2.507 0 31 21 6.433 Jun-80 53 3.3967 0 30 23 6.644 Jun-90 6 4.176 0 25 6.644 Jun-90 6 4.176 0 5.644 Jun-90 Jun-90 1 0 6.644 Jun-90 Jun-90 Jun-90 0 6.644	47	Nov-88	70	3,715	0	28	19	5,635	303,518
Jan-ee 106 3,117 0 26 29 5,766 Mar-ee 8 3,673 0 3673 0 36 5,766 Mar-ee 88 3,827 0 31 21 5,966 5,133 Mar-ee 88 3,827 0 31 20 5,166 5,136 Jun-ee 61 3,827 0 31 20 5,166 5,136 Jun-ee 61 3,328 0 31 20 5,136 5,136 Jun-ee 63 3,367 0 31 21 6,564 Jun-ee 53 3,367 0 33 5,266 6,433 Jun-ee 63 33 3,367 0 31 26 6,433 Jun-ee 53 3,367 0 33 23 6,564 Jun-ee 53 3,367 0 23 6,564 Jun-ee 53 3,367	48	Dec-88	4	3,413	0	е С	13	5,679	306,931
Feb-e9 76 3.673 0 26 21 5,861 Mar-e9 89 3,4161 0 31 21 5,960 Mar-e9 89 3,4161 0 31 21 5,960 Mar-e9 86 3,366 0 31 21 6,130 Juin-e9 61 3,366 0 31 21 6,130 Juin-99 61 3,363 0 31 23 6,581 Juin-90 55 3,367 0 30 25 6,644 Mar-90 53 3,367 0 35 6,644 Mar-90 1 0 36 6,644 Mar-90 1 0 5,644 1 Mar-90 1 0 5,644 1 Juin-90 1 0 5,644 1 Juin-90 1 1 0 5,644 Juin-90 1 0 5,644	49	Jan-89	106	3,717	0	26	29	5,785	310,648
Mar-89 89 4,181 0 31 21 5,950 Apr-89 82 3,427 0 30 23 6,038 Mar-89 61 3,965 0 31 20 6,131 Jun-89 61 3,965 0 31 26 6,131 Jun-89 65 2,507 0 31 26 6,133 Jun-89 65 2,507 0 31 26 6,336 Jun-89 53 2,907 0 31 23 6,536 Aug-90 53 2,907 0 31 23 6,544 Jan-90 1 0 36,44 0 6,644 Jun-90 1 0 26,44 0 6,644 Jun-91 0 26 2,644 0 6,644 Jun-91 1 1 0 6,644 0 Jun-92 589 3,116 0 6,644	20	Feb-89	76	3,673	0	28	21	5,861	314,321
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State of New Mexico

SLO REF NO OG-1041





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P.O. 80X 1148 SANTA FE, NEW MEXICO 87504-1148

W.R. HUMPHRIES COMMISSIONER Commissioner of Public Lands

March 14, 1989

Harvey E. Yates Company Attn: Mr. Larry L. Brooks P. O. Box 1933 Roswell, New Mexico 88202-1933

> Re: Richardson Unit Agreement 1989 Plan of Development Lea County, New Mexico

Gentlemen:

This office is in receipt of your 1989 Plan of Development for the Richardson Unit Area dated February 15, 1989. We regret to inform you that this Plan of Development can not be approved as submitted.

Section 9, of the above captioned unit agreement states that "notwithstanding any of the provisions of this agreement to the contrary, all undeveloped regular well spacing or proration unit tracts within the unit boundaries embracing lands of the State of New Mexico shall be automatically eliminated from this Agreement and shall no longer be a part of the unit or be further subject to the terms of this Agreement unless at the expiration of five years (5) after the first day of the month following the effective date of this Agreement diligent drilling operations are in progress on said tracts."

The Richardson Unit Agreement was approved effective as of June 7, 1982. Our records do not reflect any type of operations in progress within the unit area on or before June 7, 1987. In view of the above, you are requested to submit a revised Exhibit "A" and "B" schedule to this office reflecting the automatic elimination as per Section 1 of the Unit Agreement. Your 1989 Plan of Development should also mention the status of the unit area.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

WRH/FOP/pm encls. cc: OCD **HEYCO**

HARVEY E. YATES COMPANY

PETROLEUM PRODUCERS

P.O. BOX 1933

ONE SUNWEST CENTRE

TRE 505/623-6601 FAX 505/622-4221 ROS'WELL, NEW MEXICO 88202-1933

January 25, 1989



Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501-1148

Attention: Director, Oil & Gas Division

Re: 1989 Plan of Development & Operation Richardson Unit Lea County, New Mexico

Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

<u>T-13S, R-36E, N.M.P.M.</u>	<u>T-14S, R-36E, N.M.P.M.</u>
Section 31: S/2 Section 32: S/2	Section 6: All

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1989 Plan of Development and Operation.

Continuing low gas prices and the lack of a market continues to prohibit development of the deep gas potential. However, we see this dilemma changing in the future, hopefully by year end.

Some current developments in research may prove beneficial to the State in the long run. HEYCO and Sandia National Laboratories have entered into a joint research study program to evaluate the Austin-Mississippian play within the Unit; to do some sophisticated high-tech studies on the formation in some Unit well bores; and to catalog the results. This endeavor is currently in the negotiation phase and research could begin by the middle of 1989. January 25, 1989 Commissioner of Public Lands Richardson Unit

The current economics of oil and gas have forced HEYCO to postpone and active development program. In lieu of this, HEYCO has taken on an active research program hoping to evaluate this play more thoroughly and effectively.

Attached are two BFIT Economic Evaluation and Payout schedules along with two AFE's illustrating the economics of drilling (1) a Wolfcamp (Bough) oil well and/or (2) a Mississippian gas well in the current market. Things have not changed much since last year, revenuewise or costwise.

It is our sincere hope that the present market conditions will dissipate so we can actively resume exploration and development, to provide a significant royalty increase to the State of New Mexico.

Respectfully submitted,

Sang Brooks

Exploration/Development Geologist

LB/dlm Attachments

rich89pd/LL

xc: Oil Conservation Division New Mexico Energy and Minerals Department P. O. Box 2088 Santa Fe, New Mexico 87501-2088 Page 2

January 25, 1989 Commissioner of Public Lands Richardson Unit

RICHARDSON UNIT - PRODUCTION FOR 1988

835 BO

47.772 MMCFG

RICHARDSON UNIT - CUMULATIVE PRODUCTION

5679 BO

308.865 MMCFG

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HARVEY E. YATES COMPANY

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UNTY: -	LEA	SEC. 32 T-13S R-36E DEPTH: 1948B FORMATION:	BOUGH	
E TYPE:	(1) DEV	(2) EXP (3) WO /RE-ENTRY (4) OTHERS = 1		
		ION COSTS: E DRILLING COSTS:	DRY HOLE COSTS	PRODUCING WELL COSTS
	9218	STAKING DAMGES & LEGAL FEES	\$5,088	\$5,80
	9211	LOCATION. RIGHT OF WAY	\$15,000	\$15,88
	9212	FOOTAGE: FEET @ \$/FOOT 10400 \$12.50	\$130,888	
		DAYWORK: DAYS & \$/DAY 3 \$4,000	\$12,888	
	9214	SURFACE CASING CEMENTING & SERVICE DRILLING NUD, ADDITIVES & WATER	\$4,588	
	9215 9216	NUD LOGGING UNIT, SURVEYS ETC.	\$25,090 \$6,500	•
	9217	INTERNEDIATE CASING CEMENTING & SERVICES	\$15,888	•
	9218	GENERAL MISC. (BOP TEST, RATHOLE ETC)	\$588	\$58
	9228	RENTAL TOOLS & EQUIPMENT	\$500	\$58
	9221	COMPANY SUPERVISION	\$5,000 \$8	\$5,80 \$
	9224	TOTAL INTANGIBLE DRILLING COSTS	\$219,000	\$219,88
9238	INTANGIBL	E FORMATION EVALUATION:		
	9231	CORING, TOOLS & SERVICE		\$
	9232	DST: # DST TO RUN/ \$ CHARGE 1 \$5,000	\$5,000	\$5,08
	9233	ELECTRIC LOGS, SAMPLE SACKSETC	\$14,888 \$8	
	9234	TOTAL INTANGIBLE FORMATION EVALUATION	\$19,888	\$19,80
9248	INTANGIB	_E COMPLETION COSTS:		
	9241	COMPLETION UNIT COST: DAYS & \$/DAY 8 \$1,500		\$12,80
	9243	NUD, WATER & ADDITIVES		\$4,88
	9244	CEKENT, TOOLS & SERVICES (PROD.STRINGETC)		\$28,86
	9245 9246	ELECTRIC LOGS(CBLETC.), TESTING TOOL & EQUIPMENT RENTAL & TRUCKING		\$5,89
•	9247	STIKULATION & TREATING		\$4,51 \$15,01
	9248	COMPANY SUPERVISION		\$5,86
	9251	BITS, TOOLS & SUPPLIES		\$55
	9252	PLUG BACK	•	\$5,88
	9253 9588	MISC. CONTINGENCIES		\$23,17
	,	TOTAL INTANGIBLE COMPLETION COSTS	\$7,580	\$94,22
9388	TANGIBLE	DRILLING & COMPLETION COSTS:		=======
	9301	SURFACE CASING COSTS: (SIZE & FEET) 13 3/8 375	\$11,000	
	9382	INTERMEDIATE CASING: (SIZE & FEET) 8 5/8 4600	\$65,888	
	9383	PRODUCTION CASING: (SIZE & FEET) 5 1/2 18480		\$98,8
	9384	PRODUCTION TUBING: (SIZE & FEET) 2 3/8 10400		\$32,5
	9385 9386	CASING HEADCASING SFOOL		\$4,8
	9387	TUBING HEAD		\$4,5 \$4,5
	9388	CHRISTMAS TREE		\$1,5
	9310	SUBSURFACE EQUIPMENT		\$17,5
	9311	MISC PIPE CONNECTIONS		\$5
	9312	PACKER & SPECIAL EQUIPMENT		\$1,5
	9313	MISCELLANEOUS CONTINGENCIES	\$24,113 \$100,113	
9488	6ENERAL	LEASE & BATTERY EQUIPMENT:		
	9481	FUMPING UNIT (PRIME MOVERI		\$45,8
	9482	SEPARATORS, GAS PROD.UNITS,ETC		\$8,5
	9485	TANKS: NO. & SIZE 2 300 BBLS		\$8,5
	9410 9411	INSTALLATION COSTSFLOW LINES, VALVESETC		\$15,9
	9415	KISCELLANEOUS LEASE EQUIPMENT		\$3,5 \$1,0
		TOTAL GENERAL LEASE & BATTERY EQUIPMENT COSTS	\$2	\$81,5
		TOTAL INTANGIBLE COSTS:	\$245,588	\$332,2
		TOTAL TANGIBLE COSTS:	-	\$253,7
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0300000	PEYSNUS (34)	146.764	132,761	\$24.375	\$12,508	\$12.745	12,894	\$5,838	13,428	625-15	920	1130,181	11 320
IPS AVG NET FEVENUEL DISCOUNTED	1200 000-lau (BRREXER LEN) E'O'T STRAM	552 574	145,208	\$32.449	\$25,751	520,530	115,756	571,377	17.343	13,630	152	133.0261	116-0251
 191 [Ster SH	11-12-11 MB	51.50	<pre>\$1.55</pre>	51.55	22 F3	51 55	11.75	53.53	63°13	51.57	50°23	\$2.14	22
YKS AVG	iner!	516 54	515.82	51.518	33,512	518.57	\$12.23	\$20.02	520.83	521.52	\$22.53	523 +3	(54 m)
YEARLY	000 1	\$15.4sk	116,637	516,730	642,542	\$18.035	118,219	\$19.572	\$20.355	121,163	522.016	\$22,535	122 812
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LEGAL LO COUNTY:	CATION: LEA	SEC. 32 T-135 R-36E	ACCT NO. FORMATION:	AUSTIN-MIS	SISSIPPI
		TION COSTS:		DRY HOLE	PRODUCING
9289		LE DRILLING COSTS:		COSTS	WELL COSTS
1200	9218	STAKING DANGES & LEGAL FEES		\$5,000	\$5,888
	9211	LOCATION, RIGHT OF WAY		\$25,888	
	9212	FOOTAGE: FEET @ \$/FODT 13200 \$21.00		\$277,200	•
	9213	DAYWORK: DAYS & \$/DAY 5 \$4,588		\$22,580	
	9214	SURFACE CASING CEMENTING & SERVICE		\$4,589	\$4,580
	9215	DRILLING MUD, ADDITIVES & WATER		\$48,888	\$48,888
	9216	KUD LOGGING UNIT, SURVEYS ETC.		\$8,700	\$8,788
	9217	INTERNEDIATE CASING CEMENTING & SERVICES		\$15,888	\$15,888
	9218	GENERAL MISC. (BOP TEST, RATHOLEETC)		\$2,888	\$2,888
	9228	RENTAL TOOLS & EQUIPMENT	·*****	\$1,888	\$1,009
	9221	COMPANY SUPERVISION		\$12,288	\$12,898
	9224	MISC. BITS, TOOLS & SUPPLIES		\$580	\$599
		TOTAL INTANGIBLE DRILLING COSTS		\$413,400	\$413,488
			=	===================	***********
9238		LE FORMATION EVALUATION:			
	9231	CORING, TOOLS & SERVICE		\$8	\$8
	9232	DST: # DST TO RUN/ \$ CHARGE 2 \$5,000			\$18,868
	9233	ELECTRIC LOGS, SAMPLE SACKSETC		\$20,000	•
	9234	KISC. FORMATION EVAL.		8\$	
		TOTAL INTANSIBLE FORMATION EVALUATION		\$38,888	•
	****	1 5 DOUBLETION CONTO.	=		
9248		LE COMPLETION COSTS:			
	9241	COMPLETION UNIT COST: DAYS & \$/DAY 15 \$1,500			\$22,588
	9243	MUD, WATER & ADDITIVES			\$7,588
	9244	CEMENT, TOOLS & SERVICES (PROD.STRINGETC)			\$38,088
	9245	ELECTRIC LOGS (CBL ETC.), TESTING			\$7,508
	9246	TOOL & EQUIPMENT RENTAL & TRUCKING			\$7,888
	9247	COMPANY SUPERVISION			\$25,888
	9248				\$8,88B
	9251	BITS, TOOLS & SUPPLIES			\$588
	9252	PLUG BACK			\$7,588
	9253	PLUGGING EXPENSE		ALC	\$27,945
	9588	TOTAL INTANGIBLE COMPLETION COSTS		\$12,500	8
				•	\$143,445
9388	TANCIDIC	DRILLING & COMPLETION COSTS:	-		
1200	9381			FCE 000	*11 000
		SURFACE CASING COSTS: (SIZE & FEET) 13 3/8 375			\$11,888
	9382	INTERNEDIATE CASING: (SILE & FEET) 8 5/8 4600		292'888	\$65,888
	9383	PRODUCTION CASING: (SIZE & FEET) 5 1/2 13280			\$140,B88
	9384	PRODUCTION TUBING: (SIZE & FEET) 2 3/8 13200			\$45,888
	9385	CASING HEAD			\$4,888
	9386	CASING SPOOL			\$4,500
	9387	TUBING HEAD			\$5,808
	9388	CHRISTNAS TREE			\$5,088
	9319	SUBSURFACE EDUIPMENT			\$8
	9311				\$590
	9312	PALKER & SPECIAL EUUIPAENI			\$2,758
	9313	PACKER & SPECIAL EQUIPMENT MISCELLANEOUS CONTINGENCIES TOTAL TANGIBLE DRILLING & COMPLETIONS COSTS		₹100,575	¥14,138
		TOTAL TRADIBLE DAILLIND & CONFLETIONS COSTS			¥278,888
9438	GENERAL	LEASE & BATTERY EQUIPMENT:	-		
	9481	PUMPING UNIT (PRIME HOVER)			\$8
	9402	SEPARATORS, GAS FROD.UNITS,ETC			
	9435	TANKS: ND. & SIZE 1 300 BBLS			\$18,889
	9410	INSTALLATION COSTS			\$4,808
	9411	FLOW LINES, VALVESETC			\$3,500
	9415	MISCELLANEOUS LEASE EQUIPMENT			\$1,588
	7413	TOTAL GENERAL LEASE & BATTERY EQUIPMENT COSTS			\$1,000
		TOTAL CENERAL LERGE & DATTERY ENOTITIENT COSTS			\$20,000
		TOTAL INTANGIBLE COSTS:	•		
		TOTAL TANGIBLE COSTS:		\$455,908	\$586,845
		TOTAL LEASE & BATTERY EQUIPMENT:		\$102,595 \$8	\$296,888 \$28,008
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	TOTAL CO	DSTS###################################			
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			337		3		200	0,252 8 355	115,856	19.12	13.56		(); / +3] [[] [[88]	\$368.271	00.0	
referre faister faister and and antise acon a second at 17 des 1102			543	3	13			946,8	\$18,260	00 (#\$	13.20		11.618]	\$368,733	0.0	

HEYCO

PETROLEUM PRODUCERS



P.O. BOX 1933

ONE SUNWEST CENTRE

NTRE 505/623-6601 FAX 505/622-4221 ROSWELL, NEW MEXICO 88202-1933

1567

May 16, 1988

Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501-1148 Attention: Director, Oil & Gas Division

4

Re: Richardson Unit 1988 Plan of Development & Operation Lea County, New Mexico

Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

T-13S, R-36E, N.M.P.M.	<u>T-14S, R-36E, N.M.P.M.</u>
Section 31: S/2 Section 32: S/2	Section 6: All

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1988 Plan of Development and Operation.

Low gas prices and the lack of a market continues to prohibit development of the deep gas potential. We were not sufficiently encouraged by results of the recompletion of the #3 Fee well to justify development of Permo-Penn oil potential in the unitized area. This fact, coupled with the continued low price of crude oil, has forced us to postpone any further development until the current situation is considerably improved.

Attached are two BFIT Economic Evaluation and Payout schedules along with two AFE's illustrating the economics of drilling (1) a Wolfcamp (Bough) oil well and/or (2) a Mississippian gas well in the current market. May 16, 1988 Commissioner of Public Lands Re: Richardson Unit

It is still our sincere hope that the present depressed state of our industry will improve sufficiently before the next anniversary date to allow us to resume exploration and development of this unit, and provide more royalty income to the State of New Mexico.

Respectfully submitted,

Rosemary T. Avery

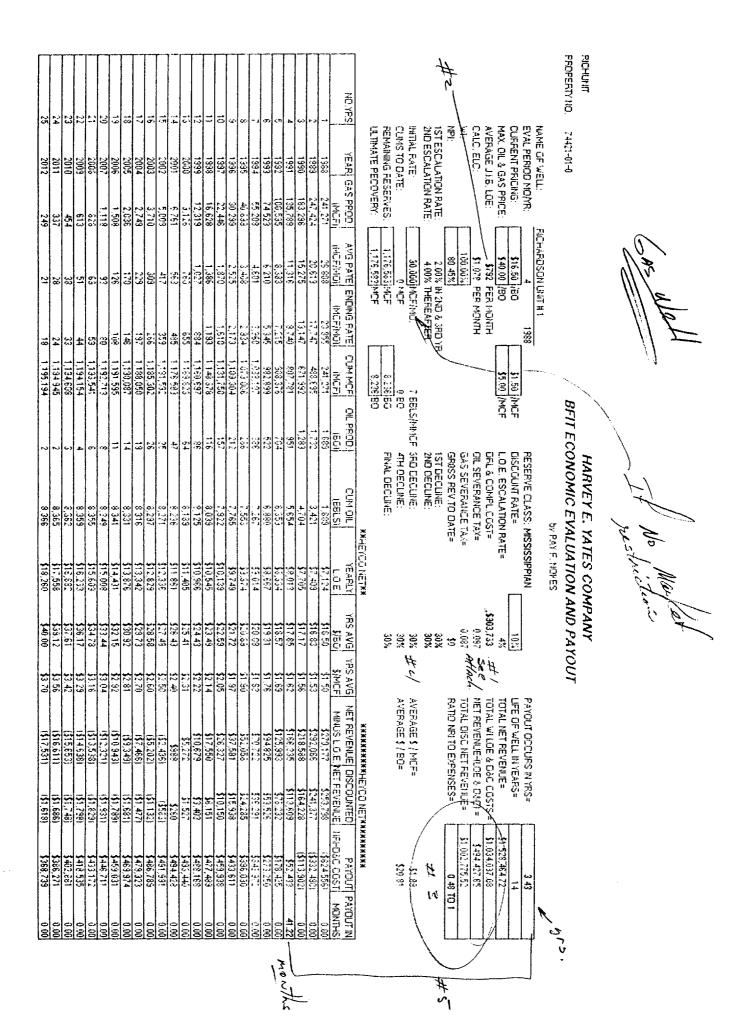
Land Department

Attachments

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RTA/RICH88PD/LL

xc: Oil Conservation Division New Mexico Energy and Minerals Department P. O. Box 2088 Santa Fe, New Mexico 87501-2088



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UNTY:	CATION:	SEC.32 T-13S R-36E DEPTH: 13200 FORMATION:	AUSTIN-NIS	SISSIPPI
		(2) EXP (3) WO /RE-ENTRY (4) OTHERS = 1		
		TION COSTS:	DRY HOLE	PRODUCING
9280		LE DRILLING COSTS: STAKING DAMGES & LEGAL FEES	COSTS	NELL COSTS
	9218	LOCATION, RIGHT OF WAY	\$5,000 \$25,000	\$5,00 \$25,00
	9211 9212	FOOTAGE: FEET @ \$/FOOT 13280 \$21.00	\$277,200	\$277,20
	9213	DAYWORK: DAYS & \$/DAY 5 \$4,500	\$22,500	\$22,58
	9214	SURFACE CASING CEMENTING & SERVICE	\$4,500	\$4,58
	9215	DRILLING MUD.ADDITIVES & WATER	\$40,000	\$49,00
	9216	MUD LOGGING UNIT, SURVEYS ETC.	\$8,700	\$8,78
	9217	INTERMEDIATE CASING CEMENTING & SERVICES	\$15,000	\$15,00
	9218	GENERAL MISC. (BOP TEST, RATHOLEETC)	\$2,808	\$2,88
	9228	RENTAL TOOLS & EQUIPMENT	\$1,000	\$1,00
	9221	COMPANY SUPERVISION	\$12,090	•
	9224	MISC. BITS, TOOLS & SUPPLIES	\$500	\$58
			\$413,400 =========	•
9238	INTANGIB 9231	LE FORMATION EVALUATION: CORING, TOOLS & SERVICE	\$8	1
	9232	DST: # DST TO RUN/ \$ CHARGE 2 \$5,000	\$18,888	\$18,86
	9233	ELECTRIC LOGS, SAMPLE SACKSETC	\$28,888	\$28,8
	9234	NISC. FORMATION EVAL.	\$8	
		TOTAL INTANGIBLE FORMATION EVALUATION	\$30,008 ==========	\$30,01
9240		LE COMPLETION COSTS:		
	9241	COMPLETION UNIT COST: DAYS & \$/DAY 15 \$1,508 MUD, WATER & ADDITIVES		\$22,5
	9243	MUD, WATER & ADDITIVES		\$7,5
	9244	CEMENT, TOOLS & SERVICES (PROD.STRINGETC) ELECTRIC LOGS(CBLETC.), TESTING		\$30,00
	9245 9246	TOOL & EQUIPMENT RENTAL & TRUCKING		\$7,58
	9247	STIMULATION & TREATING		\$7,91 \$25,00
	9248	COMPANY SUPERVISION		\$8,86
	9251	BITS, TOOLS & SUPPLIES		\$56
	9252	PLUG BACK		\$7,50
	9253	MISC. CONTINGENCIES		\$27.94
	9500	PLUGGING EXPENSE	\$12,500	
		TOTAL INTANGIBLE COMPLETION COSTS	\$12,500	\$143,44
9300		DRILLING & COMPLETION COSTS:		
	9381	SURFACE CASING COSTS: (SIZE & FEET) 13 3/8 375	\$11,880	\$11,80
	9382	INTERMEDIATE CASING: (SIZE & FEET) 8 5/8 4600	\$65,000	\$65,00
	9383	Sorphee Chains Costs: (Size & FEET) Figure Sorphee Sorphee <thsorphee< th=""> Sorphee <thsorphee< th=""></thsorphee<></thsorphee<>		\$140,80
	9384	CASING HEAD		\$45,00
	9385 9386	CASING SPOOL		\$4,8
	9306 9307	TUBING HEAD		\$4,50
	7387 7388	CHRISTMAS TREE		\$5,0) \$5,0)
	9318	SUBSURFACE EQUIPMENT		
	9311	MISC PIPE CONNECTIONS		\$50
	9312	PACKER & SPECIAL EQUIPMENT		\$2.75
	9313	MISCELLANEOUS CONTINGENCIES	\$26,595	\$14,13
		TOTAL TANGIBLE DRILLING & COMPLETIONS COSTS	\$102,595	\$296,88
9488		LEASE & BATTERY EQUIPMENT:		
	9491	PUMPING UNIT (PRIME MOVER)		:
	9402	SEPARATORS, GAS FROD.UNITS,ETC		\$19,00
	9405 9418	TANKS: NO. & SIZE 1 300 BBLS		\$4,88
	9418	FLOW LINES, VALVESETC		\$3,59 \$1,58
	9415	MISCELLANEOUS LEASE EQUIPMENT		\$1,88
	,	TOTAL GENERAL LEASE & BATTERY EQUIPMENT COSTS	\$0	\$28,88
		TOTAL INTANGIBLE COSTS:	\$455,900	
		TOTAL TANGIBLE COSTS:	\$102,595	
		TOTAL LEASE & BATTERY EQUIPMENT:	\$8	\$28,88
		* GTS####################################	\$558,495	
	PREPARED		**********	********
	TIT IS RE	COGNIZED THAT THE AMOUNTS PROVIDED FOR HEREIN ARE O ONLY, AND APPROVAL OF THIS AUTHORIZATION SHALL COMPANY:		
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) THE ACTUAL COSTS INCURRED IN CONDUCTING THE		

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- 1	3	103	13		162	133	213	254	236	357	454			[[]	[FTER	RV CASE			МH	цЩН			1987					
22.054	31,043	29.911	23.573	27.013	25.213	23,115	20.678	17,945	14 555	10,655	5,697	(STE)		0 MCF	0 MCF	0 MCF	NCE 0]						\$5.00 MCF	\$1.50 /MCF						
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122 812	\$22,836	\$22,016	\$21,163	\$20.355	\$19.572	613.813	\$18.035	117,299	\$16,730	\$16,037	515,468	YEAFLY	**HEYCO NET**											"	-	CAMPIBOU		NOVES	UATIO	ES COI	
EF 55	EF 825	\$22.53	\$21.72	120.83	\$20.02	13.615	\$18.57	\$17.25	\$17.17	\$18.82	\$16.53	YRS AVG			15%	15%	. 廿%51	24%	9 %	S	0.158166667	0.057	# 218/14/2	4%	10%	GHI			N AND PA	WPANY	
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1500.351	1\$3.0251	2615	\$3,630	17,343	\$11.377	£15,756	\$20,530	\$25,751	\$32,449	\$45,206	\$53.574	NET REVENUE DISCOUNTED PAYOUT	XXXXXXXX				AVEFAGE \$ /MCF=	AVERAGE \$ /BO=		RATIO NEI TO EXPENSES=	TOTAL DISC NET PEVENUE	NET REVENUEHLUE & DACK=	TOTAL WILCE & DAC COSTS	TOTAL NET REVENUE=	LIFE OF WELL IN YEARS=	PAYOUT OCCURS IN YRS=					
10.0011	(\$1.061)	<u>978</u>	\$1.539	\$3,428	\$5,838	12,394	\$12,748	\$17,508	\$24,373	\$37,381	\$43,764	SCOUNTED) T REVENUE N	HANANANANHEYOO NETANANANAN					,	/			: s 0&C/=		<u>ب</u> ي (ARS=						
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EGAL LO	RHE & WEL CATION:	L NUMBER: RICHARDSON UNIT #1 ACCT NO. SEC.32 T-13S R-36E		
DUNTY: FE TYPE		DEPTH: 10400 FORMATION: V (2) EXP (3) NO /RE-ENTRY (4) OTHERS = 1	BOUGH	
RILLING	S & COMPL	ETION COSTS:	DRY HOLE	PRODUCING
7299		BLE DRILLING COSTS:	COSTS	WELL COSTS
	9210	STAKING DAMGES & LEGAL FEES	\$5,000	\$5,00
	9211	LOCATION,RIGHT OF WAY FOOTAGE: FEET @ \$/FOOT 10400 \$12.50	\$15,000	
	9212 9213	DAYWORK: DAYS & \$/DAY 3 \$4,080	\$130,800 \$12,000	•
	9213	SURFACE CASING CEMENTING & SERVICE		\$12,00 \$4,50
	9215	DRILLING MUD, ADDITIVES & WATER	\$25,888	
	9216	MUD LOGGING UNIT, SURVEYS ETC		\$6,50
	9217	INTERMEDIATE CASING CEMENTING & SERVICES	\$15,000	
	9218	GENERAL MISC. (BDP TEST, RATHOLE ETC)	\$588	
	9228	RENTAL TOOLS & EQUIPMENT	\$500	
	9221	COMPANY SUPERVISION	\$5,000	
	9224	MISC. BITS, TOOLS & SUPPLIES	\$8	-
		TOTAL INTANGIBLE DRILLING COSTS	\$219,000	\$219,88
9230	INTANGI 9231	BLE FORMATION EVALUATION: CORING, TOOLS & SERVICE	\$8	\$
	9232	DST: # DST TO RUN/ \$ CHARGE 1 \$5.000	\$5.000	\$5,00
	9233	ELECTRIC LOGS, SAMPLE SACKSETC	\$14,888	\$14,88
	9234	MISC. FORMATION EVAL		-
		TOTAL INTANGIBLE FORMATION EVALUATION	\$19,000	\$19,00 =======
9248		BLE COMPLETION COSTS:		A13 00
	9241 9243	COMPLETION UNIT COST: DAYS & \$/DAY 8 \$1,500 MUD, WATER & ADDITIVES		\$12,00 \$4,00
	9244	CEMENT, TOOLS & SERVICES (PROD.STRINGETC)		\$28,68
	9245	ELECTRIC LOGS (CBLETC.), TESTING		\$25,88 \$5,88
	9246	TOOL & EQUIPMENT RENTAL & TRUCKING		\$4,50
	9247	STINULATION & TREATING		\$15,08
	9248	COMPANY SUPERVISION		\$5,88
	9251	BITS, TOOLS & SUPPLIES		\$55
	9252	PLUG BACK	•	\$5,80
	9253	MISC. CONTINGENCIES		\$23,17
	9588	PLUGGING EXPENSE		
		TOTAL INTANGIBLE COMPLETION COSTS	\$7,500	\$94,22
9388		E DRILLING & COMPLETION COSTS:		
	9381	SURFACE CASING COSTS: (SIZE & FEET) 13 3/8 375	\$11,000	\$11,80
	9382	INTERMEDIATE CASING: (SIZE & FEET) 8 5/8 4600 PRODUCTION CASING: (SIZE & FEET) 5 1/2 18480	\$65,008	\$65,98
	9383 9384			\$98,88 \$70,50
	738 1 7385	PRODUCTION TUBING: (SIZE & FEET) 2 3/8 10490		\$32,58
	738J 9386	CASING SPOOL		\$4,00 \$4,50
	9387	TUBING HEAD		\$4,58
	9388	CHRISIMAS TREE		\$5,00
	9310	SUBSURFACE EQUIPMENT		\$17,50
	9311	MISC PIPE CONNECTIONS		\$58
	9312	PACKER & SPECIAL EQUIPMENT		\$1,58
	9313	MISCELLANEOUS CONTINGENCIES	\$24,113	
		TOTAL TANGIBLE DRILLING & COMPLETIONS COSTS	\$100,113	\$253,70
9488	GENERAL	LEASE & BATTERY EQUIPMENT:		
	9481	PUMPING UNIT (PRIME MOVER)		\$45,00
	9482	SEPARATORS, GAS PROD.UNITS,ETC		\$8,50
	9485	TANKS: NO. & SIZE 2 300 BBLS		\$8,50
	9418	INSTALLATION COSTS		\$15,00
	9411	FLOW LINES, VALVESETC		\$3,58
	9415	NISCELLANEOUS LEASE EQUIPMENT		\$1,00
			\$8 ********	\$81,50
		TOTAL INTANGIBLE COSTS:	\$245,500	
		TOTAL TANGIBLE COSTS: Total lease & battery equipment:	\$100,113	
			8\$ *********	\$81,50 *******
	TOTAL C	** DSTS#+##################################	\$345,613	
	PREPARE	D BY: N.M. YOUNG DATE: 4-11-88 *	**********	*********
	"IT IS	APPROVED BY: RECOGNIZED THAT THE AMOUNTS PROVIDED FOR HEREIN ARE		
		ED ONLY, AND APPROVAL OF THIS AUTHORIZATION SHALL COMPANY:		********
	EXTEND	TO THE ACTUAL COSTS INCURRED IN CONDUCTING THE DATE:		

State of New Mexico



W.R. HUMPHRIES COMMISSIONER

Commissioner of Public Lands

SLO REF NO OG-798

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

June 6, 1988

Harvey E. Yates Company Attn: Ms. Rosemary T. Avery P. O. Box 1933 Roswell, New Mexico 88202-1933

> Re: 1988 Plan of Development Richardson Unit Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Director Oil and Gas Division (505) 827-5744

WRH/FOP/pm encls. cc: OCD BLM

#7567

HARVEY E. YATES COMPANY

ONE SUNWEST CENTRE

PETROLEUM PRODUCERS

HEYCO

P.O. BOX 1933

33

505 / 623-6601 ROSWELL, NEW MEXICO 88201



Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501-1148

Attention: Pete Martinez - Units

Re: Richardson Unit 1987 Plan of Development & Operation Lea County, New Mexico

Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

<u>T-13S, R-36E, N.M.P.M.</u>	T-14S, R-36E, N.M.P.M.
Section 31: S/2 Section 32: S/2	Section 6: All

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1987 Plan of Development and Operation.

This unit was approved on June 7, 1982. On November 10, 1982, the Richardson Unit #1 well, located 660' FSL & 660' FWL of Section 32 was completed as an Austin-Mississippian well, testing 2510 MCFG from perforations 13,360-14,405'. Owing to a lack of market, this well was not connected to a pipeline until May 1, 1984. Since November 1985 this well has been shut in because of a lack of market. For this reason we are not able to justify development of this producing formation based on current economics. We are still hoping to be able to continue development as soon as our natural gas market recovers from the current slump brought about by a deliverability surplus and by the increased competition from Canadian gas.

In addition to the well drilled under the Unit Agreement, there have been three wells drilled under the Unit Operating Agreement, which includes all of Section 5, as well as the lands covered by the Unit Agreement. Of these wells, the Richardson Fee #1, located in the NE/4 NW/4 of Section 5, is an Austin-Mississippian gas well, which is

July 1, 1987 Commissioner of Public Lands Re: Richardson Unit

also shut in for lack of a market. The second well, the Richardson Fee #3, located in the NW/4 NW/4 of Section 5, is an oil well producing from the Pennsylvanian (Bough "B") formation. The third well, the Richardson Fee #2, located in the NE/4 SW/4 of Section 5, has been converted to a salt water disposal well.

Attached as Exhibit "A" is a table showing the status of the unit well and the wells drilled under the Unit Operating Agreement, including production statistics and current rate of decline.

Low gas prices and the lack of a market continues to prohibit development of the deep gas potential, and results of the recompletion of the #3 Fee well were not sufficiently encouraging to justify development of the Permo-Penn oil potential in the unitized area. This fact, coupled with the continued low price of crude oil, has forced us to postpone any further development until the current situation is considerably improved.

It is our hope that the present depressed state of the oil and gas industry will improve sufficiently before the next anniversary date to allow us to resume exploration and development of this unit, and provide more royalty income to the State of New Mexico.

Respectfully submitted, M. Yates

RTA/dlm Attachment

xc: VOil Conservation Division New Mexico Energy and Minerals Department P. O. Box 2088 Santa Fe, New Mexico 87501-2088

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Richardson Unit 1987 Plan of Development and Operation

Exhibit "A"

WELL	STATUS	LOE	1986 PRODUCTION	DAYS OF PRODUCTION	CURRENT DECLINE (APPROX.)
Richardson Fee #1 (Mississipp	SI Due To Market ian)	\$1064/mo.	13,007 MCF	69	-18% Calc. Exp. Decl. Not Able to Predict- Due to Mkt. Demand
Richardson Fee #3 (Recomplete to Bough in 2/85)		\$2065/mo.	13,532 BO (New Zone)	360 (New Zone)	-86% Calc. Exp. Decl. Equals 7% for 1986
Richardson Unit #1	SI since 11/85 due to Market	\$669/mo. when sel- ling	59,873 MCF	202 (SI 10/85)	-33% Calc. Exp. Decl. Not Able to Predict- Due to Mkt. Demand
Richardson Fee #2 (Salt Water Disposal)	26,414 BW (Disposal-1986)				

1977 1977 HEYCO PETROLEUM PRODUCERS
PO BOX 1933
ONE SUNWEST CENTRE
505 623 6601
ROSWELL, NEW MEXICO 88201
May 16, 1986

Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501-1148

> Re: Richardson Unit 1986 Plan of Development & Operation Lea County, New Mexico

Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

 T-13S, R-36E, N.M.P.M.
 T-14S, R-36E, N.M.P.M.

 Section 31:
 S/2

 Section 32:
 S/2

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1986 Plan of Development and Operation.

This unit was approved on June 7, 1982. On November 10, 1982, the Richardson Unit #1 well, located 660' FSL & 660' FWL of Section 32 was completed as an Austin-Mississippian well, testing 2510 MCFG from perforations 13,360-14,405'. Owing to a lack of market, this well was not connected to a pipeline until May 1, 1984. Since November 1985 this well has been shut in because of a lack of market. For this reason we are not able to justify development of this producing formation based on current economics. We still to hope to be able to continue development as soon as our natural gas market recovers from the current slump brought about by a deliverability surplus.

In addition to the well drilled under the Unit Agreement, there have been three wells drilled under the Unit Operating Agreement, which includes all of Section 5, as well as the lands covered by the Unit Agreement. Of these wells, the Richardson Fee #1, located in the NE/4 NW/4 of Section 5, is an Austin-Mississippian gas well, which is also shut in for lack of a market. The second well, the Richardson

#1567

May 16, 1986 Commissioner of Public Lands Re: Richardson Unit

Fee #3, located in the NW/4 NW/4 of Section 5, is an oil well producing from the Pennsylvanian (Bough "B") formation. The third well, the Richardson Fee #2, located in the NE/4 SW/4 of Section 5, has been converted to a salt water disposal well.

Attached as Exhibit "A" is a table showing the status of the unit well and the wells drilled under the Unit Operating Agreement, including production statistics and current rate of decline.

Although we have not been able to justify development of the deep gas potential, we had hoped that information gained from recompletion of the #3 Fee well would enable us to justify exploration and development of the Permo-Penn oil potential in the unitized area. However, the results were not sufficiently encouraging and this fact, coupled with the precipitous drop in crude oil prices, has caused an indefinite postponement of this plan.

It is our hope that the present depressed state of the oil and gas industry will improve sufficiently before the next anniversary date to allow us to resume exploration and development of this unit, and provide more royalty income to the State of New Mexico.

Respectfully submitted, M **Y**ates

RTA/dlm Attachment

xc: Oil Conservation Division
New Mexico Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Richardson Unit 1986 Plan of Development and Operation

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Exhibit "A"

WELL	STATUS	LOE	1985 PRODUCTION	DAYS OF PRODUCTION	CURRENT DECLINE
Richardson Fee #1 (Mississipp	SI Due To Market ian)	\$1064/mo.	65,873 MCF	247	-18% Calc. Exp. Decl. Not Able to Predict- Due to Mkt. Demand
Richardson Fee #3 (Recomplete to Bough in 2/85)		\$2065/mo.	10,915 BO (New Zone)	277 (New Zone)	-86% Calc. Exp. Decl. Equals 7% for 1986
Richardson Unit #1	SI since 11/85 due to Market	\$669/mo. when sel- ling	76,835 MCF	253 (SI 10/85)	-33% Calc. Exp. Decl. Not Able to Predict- Due to Mkt. Demand
Richardson Fee #2 (Salt Water Disposal)			114,158 BW (Disposal-1985	5)	

50 YEARS



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION



TONEY ANAYA

June 12, 1986

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICD 87501 (505) 827-5800

Harvey E. Yates Company One Sunwest Center Roswell, New Mexico 88201

Attention: George M. Yates

Re: Richardson Unit 1986 Plan of Development & Operation Lea County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

ncerely.

ROY F. JOHNSON, Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe Bureau of Land Management - Albuquerque





P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

JIM BACA COMMISSIONER

June 25, 1986

Harvey E. Yates Company ATTENTION: Mr. Ray F. Nokes F. O. Box 1933 Rosweit, New Mexico 88201

> Re: Commercia: Determination Richardson Unit Wel No. 1 Lea Courty: New Mexico

Gent:emen:

This stille is in receipt of your letter dated June 20, 1986, together with all the economic and reservoir data which we requested on June 10, 1986.

According to the data submitted, the Commissioner of Public Lards concurs with your determination that the Richardson Unit Weil No. 1 is a commercial well under the terms of the unit.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

JIM BACA COMMISSIONER OF PUBLIC LANDS BY: FLOYD O. PRANDO, Director Cil and Gas Division

(505) 827-5744

JB/FOP/pm cc: OCD-Santa Fe, New Mexico George M. Yates



JIM BACA COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148

June 25, 1986

Harvey E. Yates Company ATTENTION: Mr. George M. Yates P. O. Box 1933 Roswell, New Mexico 88201

> Re: 1986 Plan of Development Richardson Unit Lea County, New Mexico

Gent:smen:

The Commissioner of Public Lands has this date approved your 1986 Flan of Development for the Richardson Unit Area, Lea County, New Mexico. Such plan calls for the drilling of no Weils.

Our approval is subject to like approval by the New Mexico OI. Conservation Division.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

JIM BACA COMMISSIONER OF PUBLIC LANDS BY: 7 Oryplus thank

FLOYD O. PRANDO, Director Oil and Gas Division

(505) 827-5744

JB/FOP/pm encls. cc: OCD-Santa Fe, New Mexico





#7567

JIM BACA COMMISSIONER Commissioner of Public Lands July 31, 1985

Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201 P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148 Express Mail Delivery Use: 310 Old Santa Fe Trail Santa Fe, New Mexico 87501

Richardson Unit 1983 Plan of Development & Operation Lea County, New Mexico

ATTENTION: Mr. George M. Yates

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Plan of Development and Operation for the Richardson Unit Area, Lea County, New Mexico. Such plan calls for evaluating the Unit area in an attempt to determine whether the boundary of the Permo-Penn Reservoir may extend into the lands covered by the Unit Agreement.

Enclosed is an approved copy for your files.

Very truly yours,

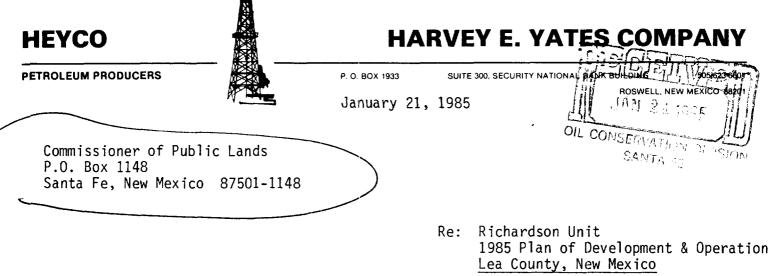
JIM BACA COMMISSIONER OF PUBLIC LANDS

Frakam BY:

RAY D. GRAHAM, Director Oil and Gas Division AC 505/827-5744

JB/RDG/pm encls. cc: OCD-Santa Fe, New Mexico

#7567



Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

 T-13S, R-36E, N.M.P.M.
 T-14S, R-36E, N.M.P.M.

 Section 31:
 S/2

 Section 32:
 S/2

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1985 Plan of Development and Operation.

This unit was approved on June 7, 1982. On November 10, 1982, the Richardson Unit #1 well, located 660' FSL & 660' FWL of Section 32 was completed as an Austin-Mississippian well, testing 2510 MCFG from perforations 13,360-14,405'. Owing to a lack of market, this well was not connected to a pipeline until May 1, 1984. Production from this well has dropped off to an average of 247 MCF/D. Although the producing zone has been classified as a tight formation under the Natural Gas Pricing Act, the price we are currently receiving has been reduced from incentive price levels to \$2.68 per MMBTU. At this time, therefore, we are not able to justify development of this producing formation based on current economics. We hope, however, to be able to continue development as soon as our natural gas market recovers from the current slump brought about by a deliverability surplus.

In addition to the well drilled under the Unit Agreement, there have been three wells drilled under the Unit Operating Agreement, which includes all of Section 5, as well as the lands covered by the Unit Agreement. Of these wells, the Richardson Fee #1, located in the NE/4 NW/4 of Section 5, is a gas well producing from the Austin-Mississippian formation. The second well, the Richardson Fee #3, located in the NW/4 NW/4 of Section 5, is an oil well producing from the Pennsylvanian formation. The third well, the Richardson Fee #2, located in the NE/4 SW/4 of Section 5, has been converted to a salt water disposal well. Commissioner of Public Lands Richardson Unit-1985 Plan of Development January 21, 1985 Page 2

Although we are unable to justify development of the deep gas potential at this time, we are currently evaluating the Richardson Unit in an attempt to determine whether the boundary of the Permo-Penn reservoir may extend into the lands covered by the Unit Agreement.

Respectfully submitted,

.

George M. Yates President

RTA/dlm

xc: Oil Conservation Division New Mexico Energy and Minerals Department P.O. Box 2088 Santa Fe, New Mexico 87501-2088

НЕУСО	HARVEY E. YATES COMPANY
PETROLEUM PRODUCERS	P. O. BOX 1933 SUITE 300. SECURITY NATIONAL BANK BUILDING 505/623-6601
W Hate	January 22, 1985
Commissioner of Public Lands P.O. Box 1148	
Sante Fe, New Mexico 87501-1148	
	Re: Betenbough Unit

Re: Betenbough Unit 1985 Plan of Development and Operation Lea County, New Mexico

Gentlemen:

The Betenbough Unit covers the following lands in Lea County, New Mexico:

Township 13 South, Range 36 East, N.M.P.M.

Section 29: All Section 30: All Section 31: N/2 Section 32: N/2

In accordance with Section 9 of the Betenbough Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1985 Plan of Development.

This unit was approved on March 21, 1980. In June 1980, the Betenbough #1 well, located 660' FNL & 1980' FWL (surface location) was completed flowing an estimated 832 MCF/D plus 2 BOPD from the Atoka formation.

Along with our McDonald, Richardson and Duncan Units, all located in this same area of the Tatum Basin, the deep gas producing zones were classified as tight formations under the Natural Gas Pricing Act. Because of the current deliverability surplus, however, the price we are currently receiving for natural gas from the Betenbough Unit #1 has been reduced from incentive price levels to \$3.845 per MMBTU. For this reason, we have not been able to justify further development of this producing formation based on current economics, even though we are keenly aware that this Unit will reach its five-year anniversary date in March of this year.

Although we are unable to justify economically the development of the deep gas potential at this time, HEYCO's geological staff is continuing to evaluate this entire area, including the Betenbough Unit, for oil potential in the lower Permian and upper Pennsylvanian zones.

Respectfully submitted, George M) Yates

RTA/dlm

HEYCO

PETROLEUM PRODUCERS



HARVEY E. YATES COMPANY

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

JILDING 505/623-6601 ROSWELL NEW MEXICO 88201

January 21, 1985

#7567

Oil Conservation Division New Mexico Energy and Minerals Department P.O. Box 2088 Santa Fe, New Mexico 87501-2088

> Re: Richardson Unit 1985 Plan of Development & Operation Lea County, New Mexico

Gentlemen:

The Richardson Unit covers the following lands in Lea County, New Mexico:

<u>T-13S, R-36E, N.M.P.M</u>.

T-14S, R-36E, N.M.P.M.

Section 31: S/2 Section 32: S/2 Section 6: All

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1985 Plan of Development and Operation.

This unit was approved on June 7, 1982. On November 10, 1982, the Richardson Unit #1 well, located 660' FSL & 660' FWL of Section 32 was completed as an Austin-Mississippian well, testing 2510 MCFG from perforations 13,360-14,405'. Owing to a lack of market, this well was not connected to a pipeline until May 1, 1984. Production from this well has dropped off to an average of 247 MCF/D. Although the producing zone has been classified as a tight formation under the Natural Gas Pricing Act, the price we are currently receiving has been reduced from incentive price levels to \$2.68 per MMBTU. At this time, therefore, we are not able to justify development of this producing formation based on current economics. We hope, however, to be able to continue development as soon as our natural gas market recovers from the current slump brought about by a deliverability surplus.

In addition to the well drilled under the Unit Agreement, there have been three wells drilled under the Unit Operating Agreement, which includes all of Section 5, as well as the lands covered by the Unit Agreement. Of these wells, the Richardson Fee #1, located in the NE/4 NW/4 of Section 5, is a gas well producing from the Austin-Mississippian formation. The second well, the Richardson Fee #3, located in the NW/4 NW/4 of Section 5, is an oil well producing from the Pennsylvanian formation. The third well. the Richardson Fee #2, located in the NE/4 SW/4 of Section 5, has been converted to a salt water disposal well. Oil Conservation Division-New Mexico Energy and Minerals Department Richardson Unit-1985 Plan of Development January 21, 1985 Page 2

Although we are unable to justify development of the deep gas potential at this time, we are currently evaluating the Richardson Unit in an attempt to determine whether the boundary of the Permo-Penn reservoir may extend into the lands covered by the Unit Agreement.

Respectfully submitted,

.

George M) Yates

President

RTA/dlm

xc: Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87501-1148



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

BRUCE KING

December 6, 1982

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

HARVEY E. YATES CO. P. O. Box 1933 Suite 300 Security National Bank Bldg. Roswell, NM 88201

ATTENTION: Thomas J. Hall

RE: Richardson Unit 1983 Plan of Development & Operation Lea County, NM

Dear Mr. Hall:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the United States Minerals Management Service.

Sincerely, ohnson

Petroléum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Minerals Management Service - Albuquerque
OCD District Office

(1450, # 7567 R # 6981

HARVEY E. YATES COMPANY

PETROLEUM PRODUCERS

HEYCO

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

505/623-6601 ROSWELL, NEW MEXICO 88201

November 19, 1982

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Entrait -OL GOIDS A REAL POID -AANYA RI

Post Office Box 2088 Santa Fe, New Mexico 87501

Oil Conservation Division

RE: 1983 Plan of Development and Operation Richardson Unit T-13S, R-36E, N.M.P.M. Section 31: S/2 Section 32: S/2 T-14S, R-36E, N.M.P.M. Section 6: All Lea County, New Mexico

Gentlemen:

In accordance with Section 9 of the Richardson Unit Agreement, Harvey E. Yates Company, as Unit Operator, hereby submits its 1983 Plan of Development and Operation.

The unit was approved on June 7, 1982. On November 10, 1982, we completed the Richardson Unit #1 Well located 660' FWL and 660' FSL of Section 32. The well was completed in the Austin-Mississippian formation from 13360' - 13405' and tested 2510 MCF of gas.

Before January 1, 1983, we will have completed two additional wells adjacent to the unit in Section 5.

We plan to evaluate the geological information from all three wells before deciding on the location and the objective of additional unit wells.

Sincerely,

Thomas J. Hall, III Attorney

TJH/jft



Commissioner of Public Lands

P. O. BOX 1148 SANTA FE, N. M. 87504-1148

ALEX J. ARMIJO COMMISSIONER

December 2, 1982

Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

> Re: 1983 Plan of Development and Operation Richardson Unit Agreement Lea County, New Mexico

ATTENTION: Mr. Thomas J. Hall, III

Gentlemen:

The Commissioner of Public Lands has this date approved your 1983 Plan of Development and Operation for the Richardson Unit, Lea County, New Mexico. Such plan proposes to evaluate the geological information from three wells before deciding on the location and the objective of additional unit wells.

Enclosed is an approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO COMMISSIONER OF PUBLIC LANDS

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FLOYD O. PRANDO, Assistant Director Oil and Gas Division AC 505/827-2748

AJA/FOP/pm encls. cc:

OCD-Santa Fe, New Mexico Administration

	TOWNSHIP 14 SOUTH, RA Section 6: ALL	Section 31: S/2 Section 32: S/2	UNIT AREA TOWNSHIP 13 SOUTH, RA		COMMISSIONER: 6/7/82	DATE APPROVED			
: 	TOWNSHIP 14 SOUTH, RANGE 36 EAST, N. M. P. M. Section 6: ALL (Lots 1,2,3,4,5,6,7,SE/4NW/4,E/2SW/4,S/2NE/4,SE/4)	(Lots 3, 4, E/2SW/4, SE/4	UNIT AREA TOWNSHIP 13 SOUTH, RANCE 36 EAST N. M. P. M.	•		OCC CASE NO. 7567 OCC ORDER NO. R-6981			
	4,E/2SW/4,S/2NE/		·		6/7/82	EFFECTIVE DATE	County _	Unit Name Rich Operator Harvey E.	
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•					-				•			•			•	12/8/81	11/15/81	RATIFIED DATE A		EXPLORATORY COMPANY
•							·						·			322,33	80.00	'IED ACRES		
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						2	•									Harvey E. Yates Company	Yates Petroleum Corporation	LESSEE		

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Commissioner of Public Lands June 7, 1982

P. O. BOX 1148 SANTA FE, NEW MEXICO 87501

ALEX J. ARMIJO COMMISSIONER

> Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

> > Re: Richardson Unit Lea County, New Mexico

1567

ATTENTION: Mr. Thomas J. Hall, III

Gentlemen:

The Commissioner of Public Lands has this date given final approval to the Richardson Unit Agreement, Lea County, New Mexico. The effective date of this unit is June 7, 1982 being the same date as approved.

Enclosed are Five (5) Certificates of Approval.

The filing fee in the amount of thirty (\$30.00) Dollars has been received.

Very truly yours,

ALEX J. ARMIJO COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Assistant Director Oil and Gas Division AC 505/827-2748

AJA/FOP/pm encls. cc:

OCD-Santa Fe, New Mexico







Commissioner of Public Lands

May 26, 1982

ALEX J. ARMIJO COMMISSIONER P. O. BOX 1148 SANTA FE, NEW MEXICO 8730X 87504-1148

567

Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

> Re: Proposed Richardson Unit Lea County, New Mexico

ATTENTION: Mr. Thomas J. Hall III

Gentlemen:

Upon reviewing our records on the above captioned unit, we find that your first exploratory well being drilled on the SW/4SW/4 of Section 32, Township 13 South, Range 36 East should be named the Richardson Unit Well No. 1. This will show that this is your first well in the unit agreement.

Your change in well name dated March 31, 1982 on New Mexico Oil Conservation Division form C-103 shows that you have changed the name of the well to Richardson Unit Well No. 2. Since this is not the second exploratory well on the unit it will have to be changed as mentioned above.

Very Truly yours,

ALEX J. ARMIJO COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Assistant Director Oil and Gas Division AC 505/827-2748

AJA/FOP/pm cc:

OCD-Santa Fe, New Mexico Administration



BRUCE KING

LARRY KEHOE SECRETARY

May 26, 1982

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

Mr. Thomas J. Hall Attorney Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

Applicant:

Harvey E. Yates Company

CASE NO. _____

ORDER NO.R-6981

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Re:

Yours very truly,

JOE D. RAMEY Director

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JDR/fd

Copy of order also sent to:

S. R. S.

Hobbs OCD x Artesia OCD x Aztec OCD

Other_____