DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Arlesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

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State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

Form C-107-A Revised August 1999

APPROVAL PROCESS:

_Administrative ___Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

X YES ___NO

Enron Oil & Gas	P.O	. Box 2267, Midlan	d, TX 79702					
Hallwood "1" Federal 1 C - Sec. 1-T25S -R33F Lea Lease Well No. Unit Ltr Sec - Twp - Rge County Spacing Unit Lease Types: (check 1 or more)								
OGRID NO. 7377 Property Code 4056 API NO.30 - 025 - 31649 Federal X , State, (and/or) Fee								
The following facts are submitted in support of downhole commingling: 1. Pool Name and	Upper Zone Vaca Draw	Intermediate Zone	Lower Zone Pitchfork Ranch					
Pool Code	Wolfcamp		Morrow					
Top and Bottom of Pay Section (Perforations)	13525* - 13680'		14775' - 15335'					
Type of production (Oil or Gas)	Gas		Gas					
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing					
Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	a. (Current) 4300	a.	^a 2000					
Gas & Oil - Flowing: All Gas Zones:	b. (Original)	b.	b.					
Estimated Or Measured Original	10200		10,800					
Oil Gravity (°API) or Gas BTU Content	Oil - 55 Dry Gas- 1619 BTU.	cu. ft.	Dry Gas- 1058 BTU/ cu. ft.					
7. Producing or Shut-In?	Producing		Shut-in					
	No		No					
Production Marginal? (yes or no)	Date:	Date:	Date: 03-19-99					
* If Shut-In, give date and oil/gas/ water rates of last production	Rates:	Rates:	950 MCFD, Rales: I BOPD 0 BWPD					
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 08-10-99	Date:	Date:					
If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Rates: 1150 MCFD 60 BOPD 0 BWPD	Rates:	Rates:					
Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: 55 %	Oil: Gas: %	Oil: 2 % Gas: 45%					
 If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data. 								
10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? X Yes No Yes No								
11. Will cross-flow occur? Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes No (If No, attach explanation)								
12. Are all produced fluids from all commingled zones compatible with each other? X Yes No								
13. Will the value of production be decreased by commingling? Yes X No (If Yes, attach explanation)								
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. XYes No								
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).								
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication. * Production curve for each zone for at least one year. (If not available, attach explanation.) * For zones with no production history, estimated production rates and supporting data. * Data to support allocation method or formula. * Notification list of working, overriding, and royalty interests for uncommon interest cases. * Any additional statements, data, or documents required to support commingling.								
hereby certify that the information	above is true and complete to t	he best of my knowledge and b	pelief.					
SIGNATURE MY SO		TLE Engineer Tech	DATE <u>08-18-99</u>					
TYPE OR PRINT NAME M. I	ee Roark	TELEPHON	NE NO.(915) 686-3608					

Dairect FV) Box 19940 Honba, YM 88741- 980

PO Drawer DO. Arcesia, NM 883 - 47709

Dutrict II

NAC OF NEW MEXICO Energy (Tase ships National Resources Decartase A

Form C+102

4- need February 10, 1994

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OIL CONSERVATION DIVISION FO Box 2088 Submit to Appropriate District Office

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Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

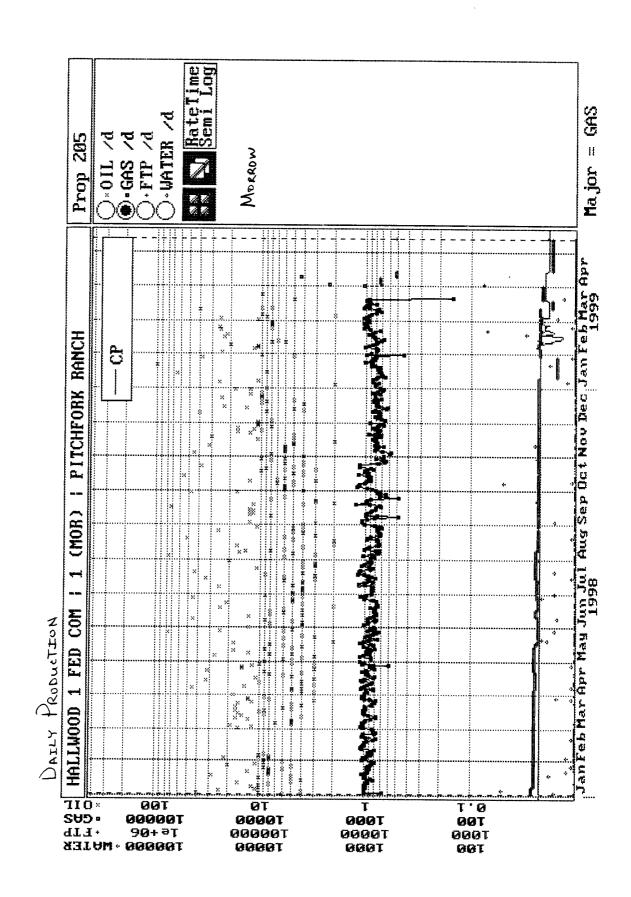
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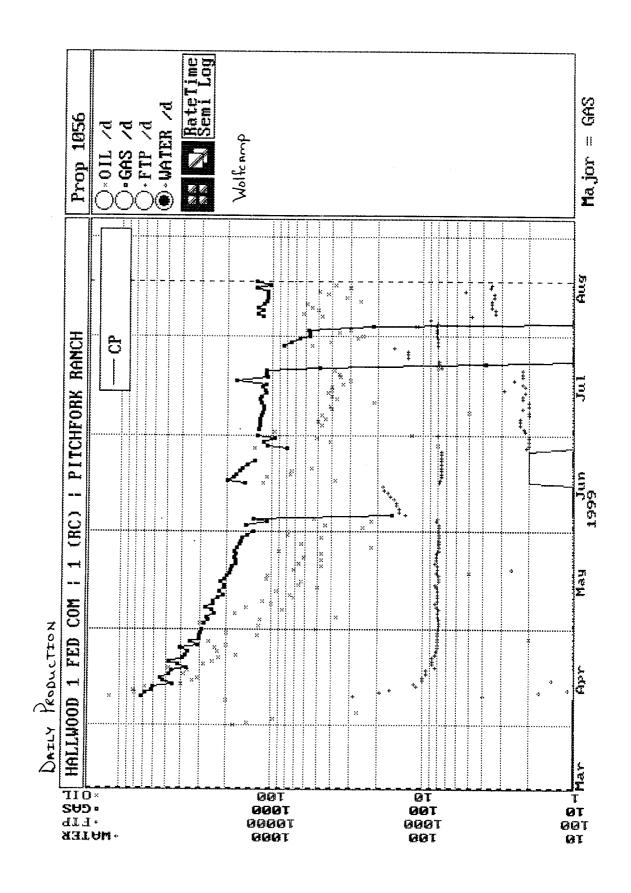
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

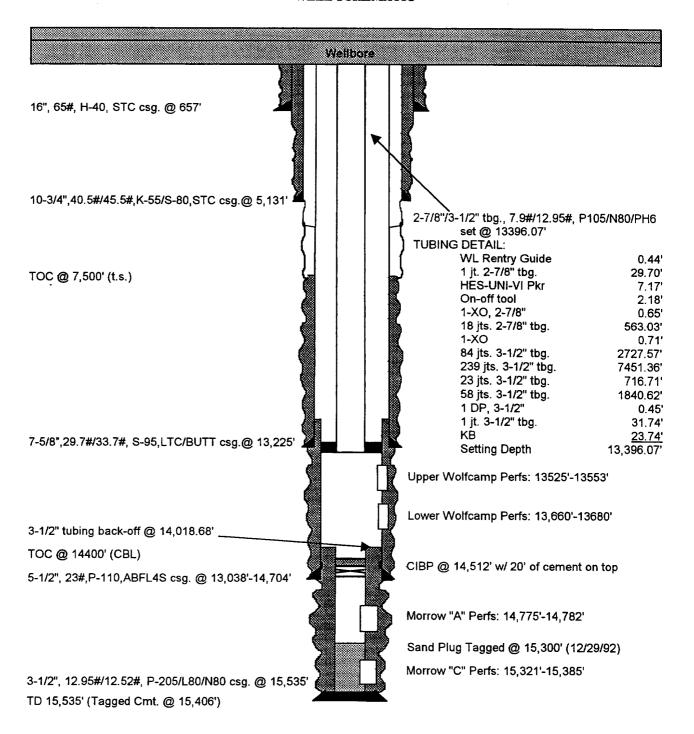
All Distances must be from the outer boundaries of the section

Operator					Lease					Well No		
ENRON OIL AND GAS CO.				HALLWOOD "1" FEDERAL COM. Well No.								
Unit Letter	Section	1	Township	*	Range				County			
С		1	25 5	SOUTH		33 EA	ST NM	PM		LEA	١	
Actual Pootage Lo	ocation of											
660 _{fe}	eet from ti			nd	1980		feet f	юв	the WES			
	Fround Level Riev. Producing Formation				Pool						Acreage:	
3464.7' Morrow				Pitchfork Ranch					N/2 320 Acres			
1. Outline the	acreage d	edicated to	the subject we	ll by colored po	encil or hac	hure marks	on the plat be	low.	•			
2. If more than	n one leas	se is dedica	ted to the wel	l, outline each	and identify	the owners	hip thereof (b	oth	as to working	g interest	and royal	ity).
3. If more than unitization,	n one lea force-po	se of different oling, etc.?				• •				idated by	communit	ization,
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CURRENT WELL SCHEMATIC



PROPOSED WELL SCHEMATIC

