

RECOVERABLE GAS RESERVES PROGRAM						
WELL NAME:	FARNSWORTH "C" 1	R=1409'				
FIELD NAME:	4026S37E YATES					29-Jul-97
GAS GRAVITY	0.67			TC =		371.54
% N2	1.48 %			PC =		672.60
% CO2	1.80 %			Tc' =		368.51
% H2S	0.00 %			PC' =		667.11
CONDENSATE (YES=1)	1			Tr =		1.509
RES. TEMPERATURE	95 'F			Pri =		1.349
INITIAL PRESSURE	900 psia			Pra =		0.015
ABANDONMENT PRES	10 psia			Zi =		0.8740
NET PAY	150 feet			Za =		0.9985
ACRES	143 acres					
WATER SAT	22.00 %					
POROSITY	14.00 %					
GAS IN PLACE	6,707,725 MCF			MCF/AC-FT		312.71
RECOVERABLE GAS	6,642,492 MCF			MCF/AC-FT		309.67
RECOVERY	99.03%					

BEFORE EXAMINED SIGNATURE

OIL CONSERVATION ENGINEER

GRAY EXHIBIT NO. 13

CASE NO. 12015 AND 12017

4-3

RECOVERABLE GAS RESERVES PROGRAM					
WELL NAME:	FARNSWORTH "A"1 (PUD)			R=1100'	
FIELD NAME:	4L26S37E YATES				29-Jul-97
GAS GRAVITY	0.67			Tc =	371.54
% N2	1.48	%		Pc =	672.60
% CO2	1.80	%		Tc' =	368.51
% H2S	0.00	%		Pc' =	667.11
CONDENSATE (YES=1)	1			Tr =	1.509
RES. TEMPERATURE	95	'F		Pri =	0.300
INITIAL PRESSURE	200	psia		Pra =	0.015
ABANDONMENT PRES	10	psia		Zi =	0.9708
NET PAY	125	feet		Za =	0.9985
ACRES	87	acres			
WATER SAT	30.00	%			
POROSITY	15.00	%			
GAS IN PLACE	654,200	MCF		MCF/AC-FT	60.16
RECOVERABLE GAS	622,399	MCF		MCF/AC-FT	57.23
RECOVERY	95.14	%			

RECOVERABLE GAS RESERVES PROGRAM						
	WELL NAME:	RHODES GSU 18			R=763'	
	FIELD NAME:	16D26S37E YATES				28-Jul-97
	GAS GRAVITY	0.67			Tc =	371.54
	% N2	1.48	%		Pc =	672.60
	% CO2	1.80	%		Tc' =	368.51
	% H2S	0.00	%		Pc' =	667.11
	CONDENSATE (YES=1)	1			Tr =	1.509
	RES. TEMPERATURE	95	'F		Pri =	0.165
	INITIAL PRESSURE	110	psia		Pra =	0.015
	ABANDONMENT PRES	10	psia		Zi =	0.9839
	NET PAY	199	feet		Za =	0.9985
	ACRES	42	acres			
	WATER SAT	29.00	%			
	POROSITY	15.00	%			
	GAS IN PLACE	276,743	MCF		MCF/AC-FT	33.11
	RECOVERABLE GAS	251,954	MCF		MCF/AC-FT	30.15
	RECOVERY	91.04%				

RECOVERABLE GAS RESERVES PROGRAM					
WELL NAME:	RHODES GSU 19			R=808	
FIELD NAME:	16F26S37E YATES				28-Jul-97
GAS GRAVITY	0.67			Tc =	371.54
% N2	1.48	%		Pc =	672.60
% CO2	1.80	%		Tc' =	368.51
% H2S	0.00	%		Pc' =	667.11
CONDENSATE (YES=1)	1			Tr =	1.509
RES. TEMPERATURE	95	'F		Pri =	0.180
INITIAL PRESSURE	120	psia		Pra =	0.015
ABANDONMENT PRES	10	psia		Zi =	0.9824
NET PAY	225	feet		Za =	0.9985
ACRES	47	acres			
WATER SAT	35.00	%			
POROSITY	14.00	%			
GAS IN PLACE	326,874	MCF		MCF/AC-FT	30.91
RECOVERABLE GAS	300,074	MCF		MCF/AC-FT	28.38
RECOVERY	91.80%				

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

IN THE MATTER OF THE HEARING CALLED BY)
THE OIL CONSERVATION DIVISION FOR THE)
PURPOSE OF CONSIDERING:)

SEP 17 1998

Oil Conservation Div.

APPLICATION OF GRUY PETROLEUM MANAGEMENT)
FOR AN UNORTHODOX WELL LOCATION AND)
SIMULTANEOUS DEDICATION, LEA COUNTY,)
NEW MEXICO)

CASE NOS. 12,015

APPLICATION OF GRUY PETROLEUM MANAGEMENT)
FOR AN UNORTHODOX WELL LOCATION AND)
SIMULTANEOUS DEDICATION, LEA COUNTY,)
NEW MEXICO)

and 12,017

(Consolidated)

OFFICIAL EXHIBIT FILE (2 OF 3, HARTMAN EXHIBITS 1-33)

EXAMINER HEARING

BEFORE: MICHAEL E. STOGNER, Hearing Examiner

September 3rd, 1998

Santa Fe, New Mexico

This matter came on for hearing before the New Mexico Oil Conservation Division, MICHAEL E. STOGNER, Hearing Examiner, on Thursday, September 3rd, 1998, at the New Mexico Energy, Minerals and Natural Resources Department, Porter Hall, 2040 South Pacheco, Santa Fe, New Mexico, Steven T. Brenner, Certified Court Reporter No. 7 for the State of New Mexico.

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STEVEN T. BRENNER, CCR
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