

9/84
RPR.
Hypothetical Single Dakota Completion
GAVILAN REEN - RIO ARRIBA CO, N.M.
8100' TO.

Initial Production 15 BOPD
1.507 MEGALPD
20% 3YE → 2 %/HR (D-D)
OPERATING EXP. 1500 \$/mo (D-D)

0.1 PRICE 2900 Trac 3 450 " 500 Tracture (51)
GAS PRICE 103 (94) = 2.92 * 1.175 = 3.43 /mcf (4)
0.1 PROD. TAX 7.52870
GAS PROD TAX 3.77870 GAE + 12.16 /mcf mcf (4)
WPT TAX RATE 84 = 474/100 85000 - 354/100 (5)

YEARS ON PROD. cumulative	W/MI 20-3P	Annual m-bbl GAS/mcf 8P-	Annual GAS-mcf GAS/mcf 9P-	Net Oil 35	REVENUE - m\$ GAS 45	TOTAL 55	PROD. TAX m\$ 65	WINDFALL PROFITS TAX-m\$ 75	OPERATING EXPENSE m\$ 85	Investment m\$	Interest m\$ 25 12.5%	Annual Cash Flow m\$ 95	Cumulative Revenue m\$
0													
1	100/87.5	4.38/3.8	6.6/5.8	105.4	19.8	125.2	9.4	1.8	180	501.4	62.7	-468.1	-468.1
2		2.63/2.3	4.0/3.5	43.2	11.9	75.1	5.6	0.8	"	0	58.5	-7.8	-475.9
3		1.58/1.4	2.4/2.1	32.9	7.1	45.1	3.4	0.5	"	0	58.5	-36.3	-512.2
4		1.13/1.0	1.7/1.5	27.2	5.1	22.3	2.4	0.3	"	0	44.0	-52.5	-564.6
5		1.03/0.9	1.6/1.4	24.8	4.7	29.4	2.2	0.3	"	0	20.6	-61.7	-626.3
5 yr Total		10.7/9.4	14.2/12.2	258.5	48.6	307.1	23.0	3.8	90.0	501.4	315.3	-476.3	
6		0.93/0.8	1.4/1.2	22.4	4.2	26.6	2.0	0.3	180	0	78.3	-72.0	-658.3
7		0.85/0.7	1.3/1.1	20.4	3.8	24.2	1.8	0.3	"	0	77.3	-83.2	-781.5
8		0.77/0.67	1.2/1.0	18.5	3.5	22.0	1.7	0.2	"	0	92.7	-95.6	-877.0
9		0.70/0.61	1.06/0.9	16.9	3.2	20.0	1.5	0.2	"	0	109.6	-109.8	-986.3
10		0.6/0.6	1.0/0.8	15.3	2.9	18.2	1.4	0.2	"	0	123.3	-124.6	-1110.9
10 yr Total		14.4/12.8	22.0/19.3	352.0	66.2	418.2	31.3	4.9	180.0	501.4	811.5	-110.9	-
11													
12													
13													
14													
15													
15 yr Total													
16													
17													
18													
19													
20													
20 yr Total													
20-00													

APPLICATION for Jerome P. McHugh
NEW POOL CREATION
Gavilan Greenhorn-Graneros-Dakota Oil Pool
Rio Arriba County, New Mexico
Case No. 8350, Exhibit 9

7/84
RDR.
Typical Dakota Completion - Guadalupe NEA
Rio Arriba County, New Mexico

Initial Production / 5 Bald

0.1 PRICE $\frac{229.00}{1.00}$ LOSS $\frac{1}{10}$ TWENTY $\frac{1}{10}$ (2)
GAS PRICE $\frac{54.03}{1.00}$ (2/84) = $2.92 \times 1.175 = 3.43$ (1)
0.1 PPOD. TAX $\frac{75.28}{1.00}$ (1)
GAS PPOD TAX $\frac{3.778}{1.00}$ GAE + 12.1% / UNIT (4)
WPT TAX RATE $\frac{84}{84} = 47 \frac{1}{100}$.6500 = $35 \frac{1}{100}$ (5)

— Present worth of
Dakota commingled
in measures —

midyear factors
SPWF = $\frac{1}{1+r} \ln$

years on prod.	Present worth @ 5%				Present worth @ 12 1/2%				Present worth @ 25%				Present worth @ 50%				years on prod.
	SPWF				SPWF				SPWF				SPWF				
0	1.00				1.0				1.0				1.0				0
1	0.97590				0.94251	38.8		38.8	0.89443				0.81650				1
2	0.92943				0.83085	50.0		58.9	0.71554				0.54433				2
3	0.88517				0.74494	24.0		112.9	0.52743				0.36289				3
4	0.84301				0.66216	13.6		126.9	0.45795				0.24192				4
5	0.80288				0.58859	10.5		157.0	0.36636				0.16128				5
6	0.76464				0.52319	8.0		144.98	0.29309				0.10252				6
7	0.72823				0.46586	6.4		151.1	0.23447				0.07168				7
8	0.69355				0.41339	4.6		155.7	0.18757				0.04779				8
9	0.66053				0.36745	3.4		159.1	0.15006				0.03186				9
10	0.62907				0.32663	2.5		161.6	0.12005				0.02124				10
11	0.59912				0.29053	1.8		163.9	0.09604				0.01416				11
12	0.57059				0.25808	1.2		164.6	0.07683				0.00944				12
13	0.54342				0.22940	0.8		165.5	0.06146				0.00629				13
14	0.51754				0.20391	0.5		165.9	0.04917				0.00420				14
15	0.49290				0.18125	0.3		166.2	0.03939				0.00280				15
16	0.46942				0.16111				0.03147				0.00186				16
17	0.44707				0.14321				0.02518				0.00124				17
18	0.42578				0.12730				0.02014				0.00083				18
19	0.40551				0.11516				0.01611				0.00055				19
20	0.38620				0.10588				0.01289				0.00037				20

