"GAS PROSPECT EVALUATION DATA SHEET"

Prospect: 1 | Loc: Sec ____ Twp ____ Rge ____

Well: Typical Modern Well | Pool: Jalmat/Eumont

Producing Zone: Yates-7R-Queen | First Production: 1-1-90

I. ENGINEERING/GEOLOGICAL

1. Acreage Factor 1.091/well 2. Initial SIWHP (psig) 142
3. Line Pressure (psig) 43 init 4. Coeff. "C" (SCFPD/psia^2) 49
5. P/z Slope (MCF/psia) 12,209 6. Reserves (BCF) 1.6 BCF
7. Compressor (Years) 1.38
8. Initial Allowable 600 Allowable Decline Rate 0
   Q_w equals MRA @ Time 1.91 Qi = 600
   Decline Rate: 16.5%
9. GOR/Yield ____
10. Economic Parameters:
    Discount Rate 10% Start Date 1-1-90 As-Of Date 9-15-90
11. Comments: ____

II. LAND

1. P.U. Description --
2. Date Acquired -- 3. Gross Acres 175 (AF=1.091)
4. Initial Ownership: WI ____ NRI ____
5. Additional Ownership: WI -- NRI --
6. Total Participation: WI 100% NRI 81.6745
   Net WI Acres 175 Acreage Price ($/Ac) $811.37
   Net Acreage Cost ($) 141,990 Acreage Cost @ 100% WI ($) 141,990

III. GAS PRICING

1. Gatherer Spot Marketing Contract No. None
2. Contract Pricing None Spot Pricing Major Pipeline
3. FERC Pricing Section 103 4. Average WHBTU 1,170
5. Comments: Major Pipeline + DRI + AGA
6. Average Annual Price ($/MCF, inclusive of taxes):

1989	--	1990	1.900	1991	2.574	1992	2.808
1993	3.064	1994	3.331	1995	3.608	1996	3.842
1997	4.082	1998	4.329	1999	4.583	2000	4.844

7. Escalation Rate Beyond 2000 (%/Year) 5.4%/yr to life

IV. OIL PRICING

1. Average Annual Price ($/BBL):

1989	--	1990	--	1991	--	1992	--
1993	--	1994	--	1995	--	1996	--

2. Escalation Rate Beyond 1996 (%/Year) N/A

V. INVESTMENT COSTS/OPERATING COSTS

Tangible Cost 84,216
Intangible Cost 310,779

Completed Well Cost 394,995
Leasehold (100%) Cost) 141,990
Compression Cost 43,071 (Gath) + 49,617* (Comp) = 92,688 (Total)

Total Well Cost 629,673

Operating/Overhead Cost ($/Mo.) $1300/mo. initial increasing to 2844/mo. @ 1.38 yrs

Escalation Rate (%/Year) 4%/yr

Beginning Escalation Date 1-1-90

*Cost of well compression installation at 1.38 years

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540:TYPMODWL

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Pa(psia)=           23
Pi(psia)=        155.2                                             15-Sep-90
M(mcf/psia)=     12209           TYPICAL MODERN EUMONT & JALMAT WELL
C(scf/d/psia^2)     49           WELL DELIVERABILITY VS. MARKET RATEABLE TAKE
PRORAT-FAC=      1.091 MONTHS=   EUMONT & JALMAT FIELD
Q(ai)(mcfd)=       600        12 LEA COUNTY, NEW MEXICO
LP(psig)=           43 EWAS=                                      P17G
D(%/year)=           0         0 DEL DATE: 1-1-90
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YEAR	dT	Qa	YEARLY dQ	YEARLY SUM dQ	dP	SUM dP	Pe	Qd(lp)	Qd(10)
	0								
1990	1	655	238929	238929	19.6	19.6	135.6	747	875
1991	2	655	238929	477858	19.6	39.1	116.1	505 *	634 **
1992	3	655	238929	716787	19.6	58.7	96.5	301	430
1993	4	655	238929	955716	19.6	78.3	76.9	135	264
1994	5	655	238929	1194645	19.6	97.8	57.4	6	135
1995	6	655	238929	1433574	19.6	117.4	37.8	0	44
1996	7	655	238929	1672503	19.6	137.0	18.2	0	0
1997	8	655	238929	1911432	19.6	0.0	0.0	0	0
1998	9	655	238929	2150361	19.6	0.0	0.0	0	0
1999	10	655	238929	2389290	19.6	0.0	0.0	0	0
2000	11	655	238929	2628219	19.6	0.0	0.0	0	0
2001	12	655	238929	2867148	19.6	0.0	0.0	0	0

* CALCULATED TIME COMPRESSION NEEDED:
= 1 YR + ((747 MCFPD - 655 MCFPD)/(747 MCFPD - 505 MCFPD))
= 1.38 YRS

COMPRESSION LOE COST:
= $1300/MO + (655 MCFPD * $.07/MCF ELECTRIC COST * 30.4 DAYS/MO)
= $2694/MO

ADJUSTED FOR FUTURE VALUE:
= $2694/MO * $(1.04^{1.38})$
= $2884/MO

** CALCULATED TIME @ WHICH WELL BECOMES CAPACITY:
= 1 YR + ((875 MCFPD - 655 MCFPD)/(875 MCFPD - 634 MCFPD))
= 1.91 YRS

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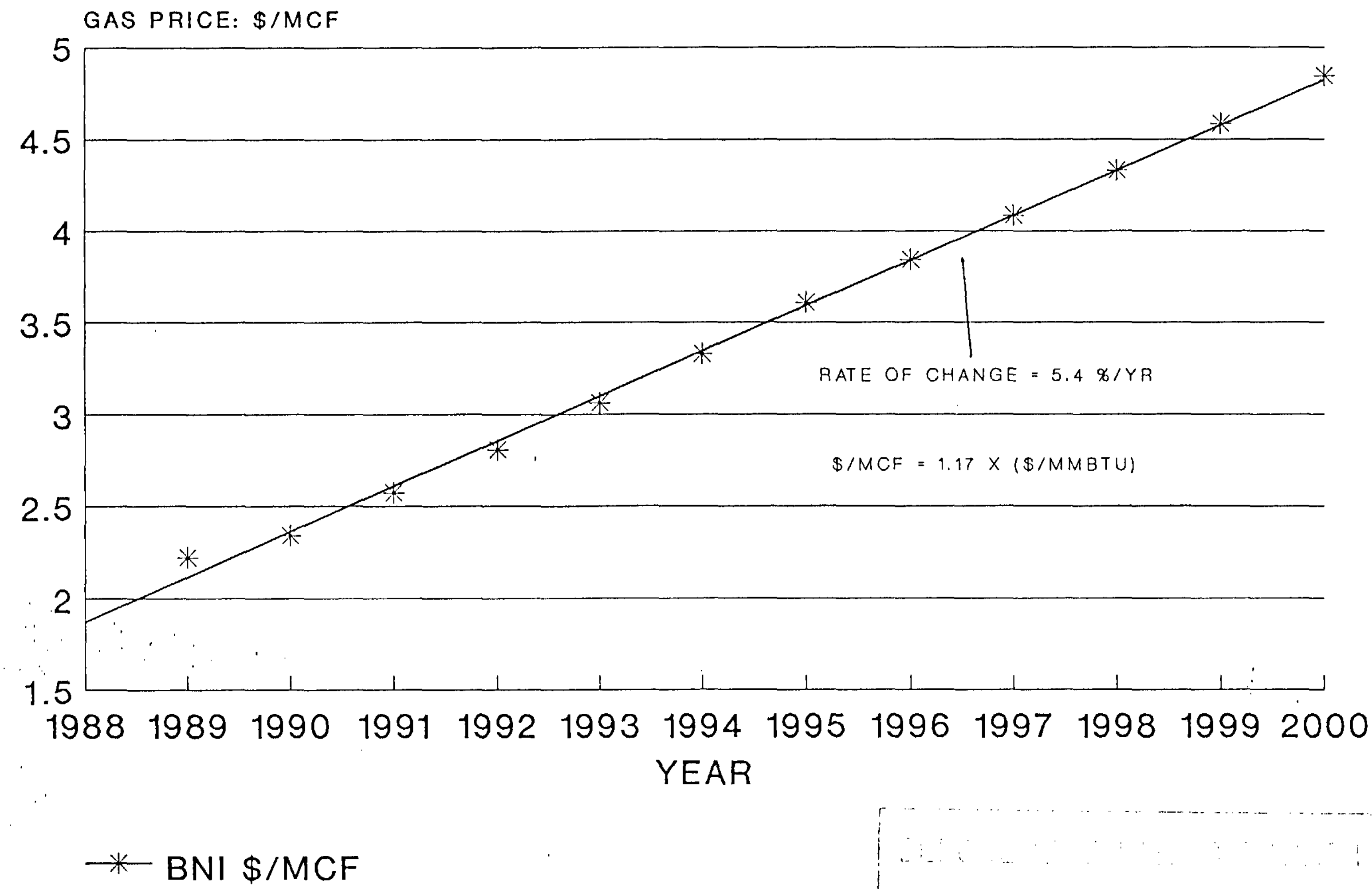
MAJOR GAS PIPELINE COMPANY
SPOT PRICING SCENARIO



SPOTBUY1/7-6-90/661

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ANALYSIS OF PROJECTED AND ACTUAL DRILLING & COMPLETION COSTS TOTAL OF 8 WELLS DRILLED BY DOYLE HARTMAN 1989 AND 1990

EUMONT & JALMAT FIELDS - LEA COUNTY, NEW MEXICO

LEASE	FINAL AFE 100% WI	ACTUAL COST 100% WI
1 TURNER STATE #3		
SPUD DATE 7-31-89		
TANGIBLE COST $	$97,782.00	$93,400.33
INTANGIBLE COST $	$277,990.00	$269,148.88
COMPLETED WELL COST $[1]	$375,772.00	$362,549.21
GATHERING/COMP. COST $	$35,000.00	$42,464.15
TOTAL WELL COST $	$410,772.00	$405,013.36
2 STATE E COM. #4		
SPUD DATE 8-9-89		
TANGIBLE COST $	$97,782.00	$58,458.48
INTANGIBLE COST $	$277,990.00	$273,743.97
COMPLETED WELL COST $[1,2]	$375,772.00	$332,202.45
GATHERING/COMP. COST $	$35,000.00	$35,399.53
TOTAL WELL COST $	$410,772.00	$367,601.98
3 LIBERTY ROYALTIES #6		
SPUD DATE 8-19-89		
TANGIBLE COST $	$97,782.00	$97,449.02
INTANGIBLE COST $	$277,990.00	$247,778.94
COMPLETED WELL COST $[1,2]	$375,772.00	$345,227.96
GATHERING/COMP. COST $	$35,000.00	$70,947.69
TOTAL WELL COST $	$410,772.00	$416,175.65
4 DABBS #3		
SPUD DATE 8-28-89		
TANGIBLE COST $	$97,782.00	$70,103.11
INTANGIBLE COST $	$277,990.00	$268,620.35
COMPLETED WELL COST $[1]	$375,772.00	$338,723.46
GATHERING/COMP. COST $	$35,000.00	$74,468.53
TOTAL WELL COST $	$410,772.00	$413,191.99
5 ARNOTT RAMSAY NCT-B #13		
SPUD DATE 9-6-89		
TANGIBLE COST $	$97,782.00	$62,095.18
INTANGIBLE COST $	$277,990.00	$271,995.87
COMPLETED WELL COST $[1]	$375,772.00	$334,091.05
GATHERING/COMP. COST $	$35,000.00	$23,895.69
TOTAL WELL COST $	$410,772.00	$357,986.74
6 A.L. CHRISTMAS #1		
SPUD DATE 10-12-89		
TANGIBLE COST $	$97,782.00	$96,499.92
INTANGIBLE COST $	$277,990.00	$268,267.39
COMPLETED WELL COST $[1]	$375,772.00	$364,767.31
GATHERING/COMP. COST $	$35,000.00	$10,827.34
TOTAL WELL COST $	$410,772.00	$375,594.65
7 JACK "A-20" #11		
SPUD DATE 10-24-89		
TANGIBLE COST $	$97,782.00	$71,414.68
INTANGIBLE COST $	$277,990.00	$278,113.13
COMPLETED WELL COST $[1,2]	$375,772.00	$349,527.81
GATHERING/COMP. COST $	$35,000.00	$43,988.86
TOTAL WELL COST $	$410,772.00	$393,516.67
8 HANSEN STATE #7		
SPUD DATE 3-29-90		
TANGIBLE COST $	$97,782.00	$54,070.35
INTANGIBLE COST $	$277,990.00	$257,596.98
COMPLETED WELL COST $[1,2]	$375,772.00	$311,667.33
GATHERING/COMP. COST $	$35,000.00	$11,500.00[3]
TOTAL WELL COST $	$410,772.00	$323,167.33

TOTAL EIGHT WELLS			AVERAGE ACTUAL COST 8 WELLS
TANGIBLE COST $	$782,256.00	$603,491.07	$75,436.38
INTANGIBLE COST $	$2,223,920.00	$2,135,265.51	$266,908.19
COMPLETED WELL COST $	$3,006,176.00	$2,738,756.58	$342,344.57
GATHERING/COMP. COST $	$280,000.00	$313,491.79	$39,186.47
TOTAL WELL COST $	$3,286,176.00	$3,052,248.37	$381,531.05
PERCENT OF ACTUAL %	107.66%	100.00%	

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[1] INCLUDED CONTINGENCY AMOUNT FOR FINAL AFE
[2] DUE TO 100% HARTMAN OWNERSHIP, UTILIZED TURNER STATE #3 AFE FOR STATE "E" COM #4, LIBERTY ROYALTIES #6, JACK A-20 #11 AND HANSEN STATE #7
[3] ESTIMATED DUE TO CONSTRUCTION IN PROGRESS