HARTMAN - STATE "A" COM

"Prevention of Waste - Drilling Unnecessary Wells"
Summary Table Remaining Reserve Comparisons
Conoco Meyer A-1 #3 and Hartman State "A" #4
(M-8-21S-36E) (A-8-21S-36E)

Conoco - Meyer A-1 #3 (M-8-21S-36E)

-Remaining gas reserves at time of abandonment (11/85) based upon decline curve analogy illustrating mechanical capabilities of well = 2,283 MMCF

-Remaining gas reserves at time of abandonment (11/85) based upon p/z (material balance) analogy illustrating reservoir capabilities of well = 2,053 MMCF

-Difference p/z method - decline curve method
2,053 MMCF - 2,283 MMCF = <230> MMCF

-Conclusion: At the time the Meyer A-1 #3 Eumont interval was abandoned (11/85) in favor of converting the well to a EMSU Producer (#335), the well had approximately 2.0 BCF of remaining gas reserves which could efficiently and effectively be produced by the existing wellbore. This is illustrated by the fact that the reserves derived by mechanical decline curve analysis and p/z analysis are approximately the same value.

Hartman - State "A" #4 (A-8-21S-36E)

-Remaining gas reserves as of 4-1-90 based upon decline curve analogy illustrating mechanical capabilities of well = 508 MMCF

-Remaining gas reserves as of 4-1-90 based upon p/z (material balance) analogy illustrating reservoir capabilities of well = 1,800 MMCF

-Difference p/z method - decline curve method
1,800 MMCF - 508 MMCF = 1,292 MMCF

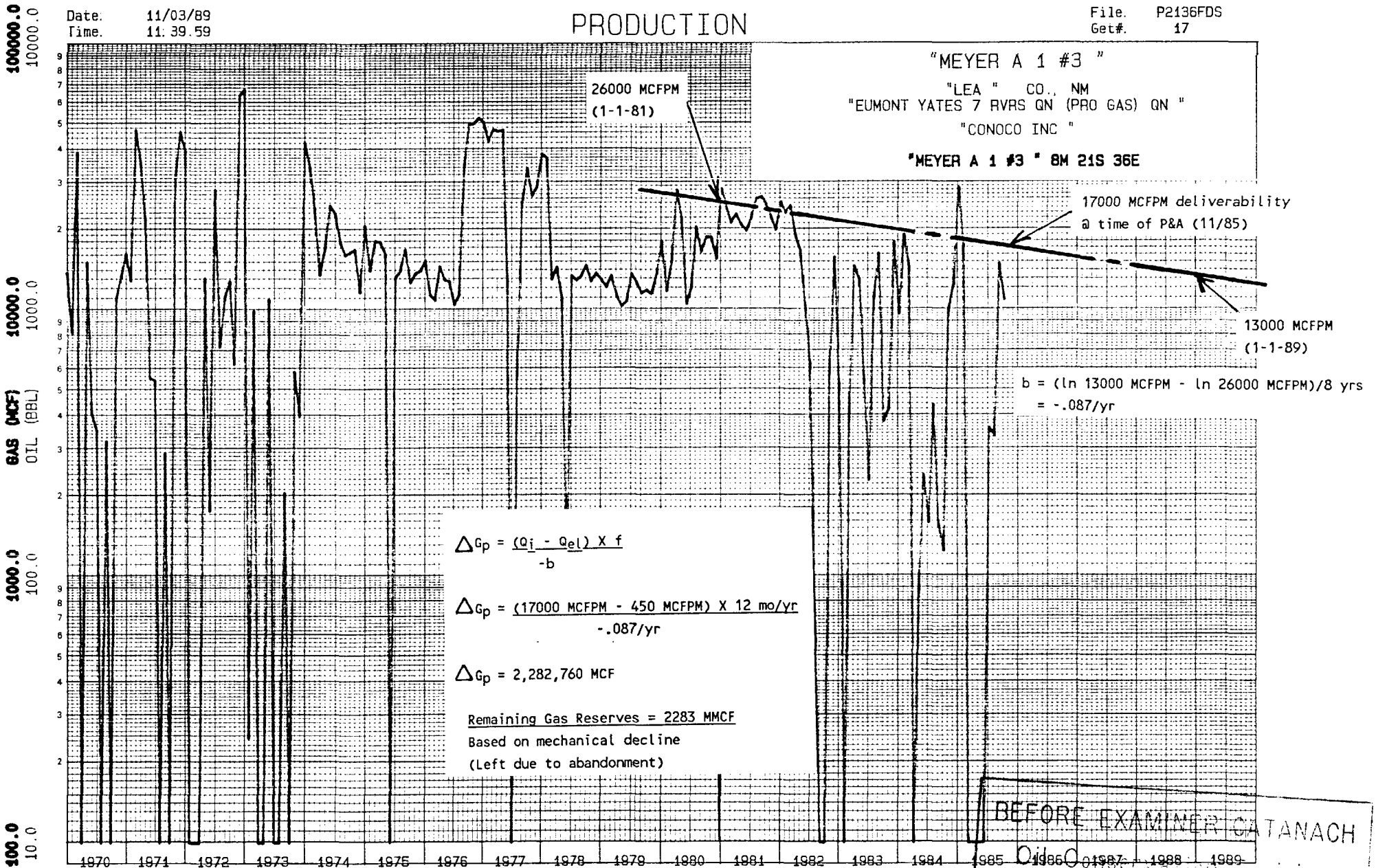
-Conclusion: As of 4-1-90, the State "A" #1 has remaining recoverable gas reserves of 508 MMCF which is limited by the mechanical abilities of the well. However, the p/z analysis shows the gas remaining in the reservoir encountered by the wellbore to be approximately 1,800 MMCF. Therefore, 1,292 MMCF or approximately 1.3 BCF of gas reserves from the State "A" #4 will not be recovered by the existing wellbore and completion.

Chevron (25% WI), Conoco (25% WI), ARCO (25% WI), and Amoco (25% WI) (The "NMFU" Group) elected in November, 1985 to cooperate and abandon

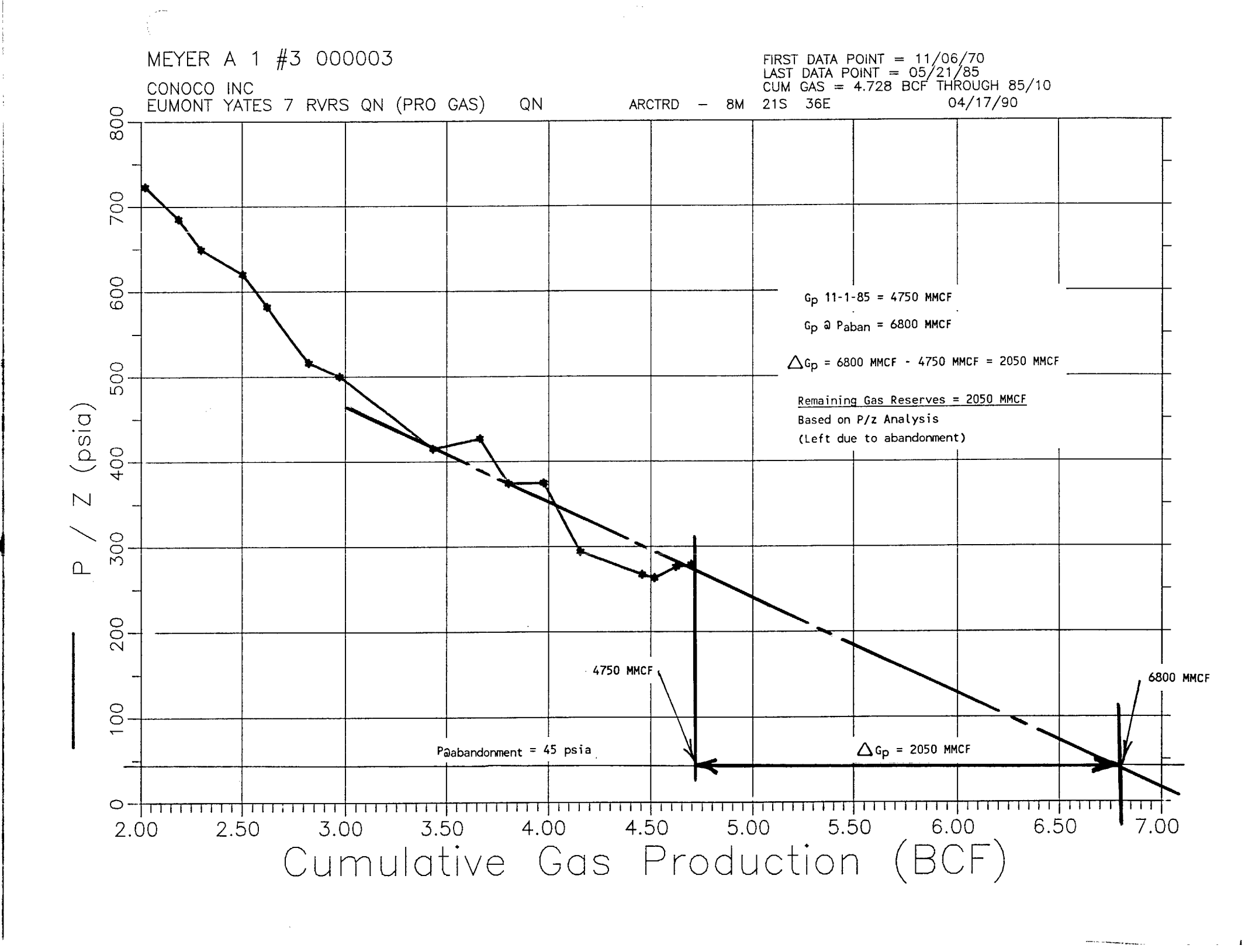
the Meyer A-1 #3 Eumont interval which was effectively and efficiently draining the reservoir in favor of converting the well to an EMSU Producer (#335). The Group then drilled and completed the Meyer A-1 #18, a replacement Eumont producer (K-8-21S-36E) on the same 160-acre P.U. originally dedicated to the Meyer A-1 #3, offsetting the Hartman (formerly Texaco) - State "A" #4.

In contrast it is evident that the Hartman - State "A" #4 <u>will not</u> efficiently and effectively drain the gas present in the reservoir encountered by the well due to the p/z reserves being much greater than those derived by mechanical decline curve analysis. Further, the drilling of the State "A" Com #5 infill Eumont well on the proposed 280-acre tract will recover incremental reserves previously unrecoverable by the existing State "A" #4 well and recover reserves underlying the undrilled and never dedicated N/2 SE/4 Section 5 80-acre State "A" tract.

549:StACmprs



BEFORE EXAMINER CATANACH
Oil Conservation Division
DOYLE HARTMAN
Oil Operator
Exhibit No.
Case No. 9994


MEYER A 1 #3 000003
CONOCO INC
EUMONT YATES 7 RVRS QN (PRO GAS) QN
ARCTRD – 8M 21S 36E
FIRST DATA POINT = 11/06/70
LAST DATA POINT = 05/21/85
CUM GAS = 4.728 BCF THROUGH 85/10
04/17/90
Gp 11-1-85 = 4750 MMCF
Gp @ Paban = 6800 MMCF
ΔGp = 6800 MMCF - 4750 MMCF = 2050 MMCF
Remaining Gas Reserves = 2050 MMCF
Based on P/z Analysis
(Left due to abandonment)
4750 MMCF
6800 MMCF
P@abandonment = 45 psia
ΔGp = 2050 MMCF
P / Z (psia)
0
100
200
300
400
500
600
700
800
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
Cumulative Gas Production (BCF)

TIME -
USER/WS - /
MENU/OPTION - /
PROC/LIBRARY - /
PROGRAM - DWRG105

ID	LOCN	Q/G	LEASE	WELL#	COUNTY	POOL	API#	NM EVS#	FIRST PROD	GAS COMPDT	TOT WEITH	GRAVITY GAS_LIQ	G/L RATIO
30 221 S36E08M00QN	BM21S 36E	G	MEYER A 1	000003	025-LEA	008027316-EUMONT YATES 7 RVRS QN (PRO GAS) QN	0455800	49050		72653	00000	065 000	00000
	QEER-151350 CONOCO INC			GAIH-GAS-ELNAT EL PASO NATURAL GAS CO		EEBES-UE-03050							
				-LIQ-		LO-03576							

N_EAC-00000 IEMP_GRAD-00897 STATUS-02 00/00/00

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
******	1970 ******												
FLOW	1	1	1	0	1	1	1	0	1	0	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	13,177	7,846	36,891	0	14,471	3,977	3,423	0	3,134	0	10,611	12,670	106,200
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	1,947,931	1,955,777	1,992,668	1,992,668	2,007,139	2,011,116	2,014,539	2,014,539	2,017,673	2,017,673	2,028,284	2,040,954	2,040,954
******	1971 ******												
FLOW	1	1	1	1	1	1	1	0	1	0	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	15,623	12,312	44,894	33,799	20,684	5,343	5,252	0	2,818	0	29,790	44,112	214,627
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,056,577	2,068,889	2,113,783	2,147,582	2,168,266	2,173,609	2,178,861	2,178,861	2,181,679	2,181,679	2,211,469	2,255,581	2,255,581
******	1972 ******												
FLOW	1	0	0	0	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	37,317	0	0	0	12,564	1,706	26,906	6,989	10,678	12,266	6,016	60,265	174,707
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,292,898	2,292,898	2,292,898	2,292,898	2,305,462	2,307,168	2,334,074	2,341,063	2,351,741	2,364,007	2,370,023	2,430,288	2,430,288
******	1973 ******												
FLOW	1	1	1	0	0	1	0	0	1	0	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	63,702	245	9,519	0	0	10,509	0	0	1,995	0	5,659	3,871	95,500
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,493,990	2,494,235	2,503,754	2,503,754	2,503,754	2,514,263	2,514,263	2,514,263	2,516,258	2,516,258	2,521,917	2,525,788	2,525,788
******	1974 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	40,516	32,350	22,835	12,887	16,268	23,462	21,837	17,065	15,257	15,655	16,066	11,112	245,310
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,566,304	2,598,654	2,621,489	2,634,376	2,650,644	2,674,106	2,695,943	2,713,008	2,728,265	2,743,920	2,759,986	2,771,098	2,771,098
******	1975 ******												
FLOW	1	1	1	1	1	0	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	19,835	13,442	17,325	17,062	15,421	0	12,566	13,440	16,120	12,149	13,069	13,352	163,781
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,790,933	2,804,375	2,821,700	2,838,762	2,854,183	2,854,183	2,866,749	2,880,189	2,896,309	2,908,458	2,921,527	2,934,879	2,934,879
******	1976 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	14,573	10,919	10,426	13,891	12,403	12,239	10,041	10,924	32,398	46,858	47,265	49,553	271,490
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,949,452	2,960,371	2,970,797	2,984,688	2,997,091	3,009,330	3,019,371	3,030,295	3,062,693	3,109,551	3,156,816	3,206,369	3,206,369
******	1977 ******												
FLOW	1	1	1	1	1	1	0	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	47,741	40,406	44,895	44,316	44,597	12,088	0	5,611	24,143	32,211	25,359	27,491	348,858
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,254,110	3,294,516	3,339,411	3,383,727	3,428,324	3,440,412	3,440,412	3,446,023	3,470,166	3,502,377	3,527,736	3,555,227	3,555,227

T-21 R-36 SEC 5-10

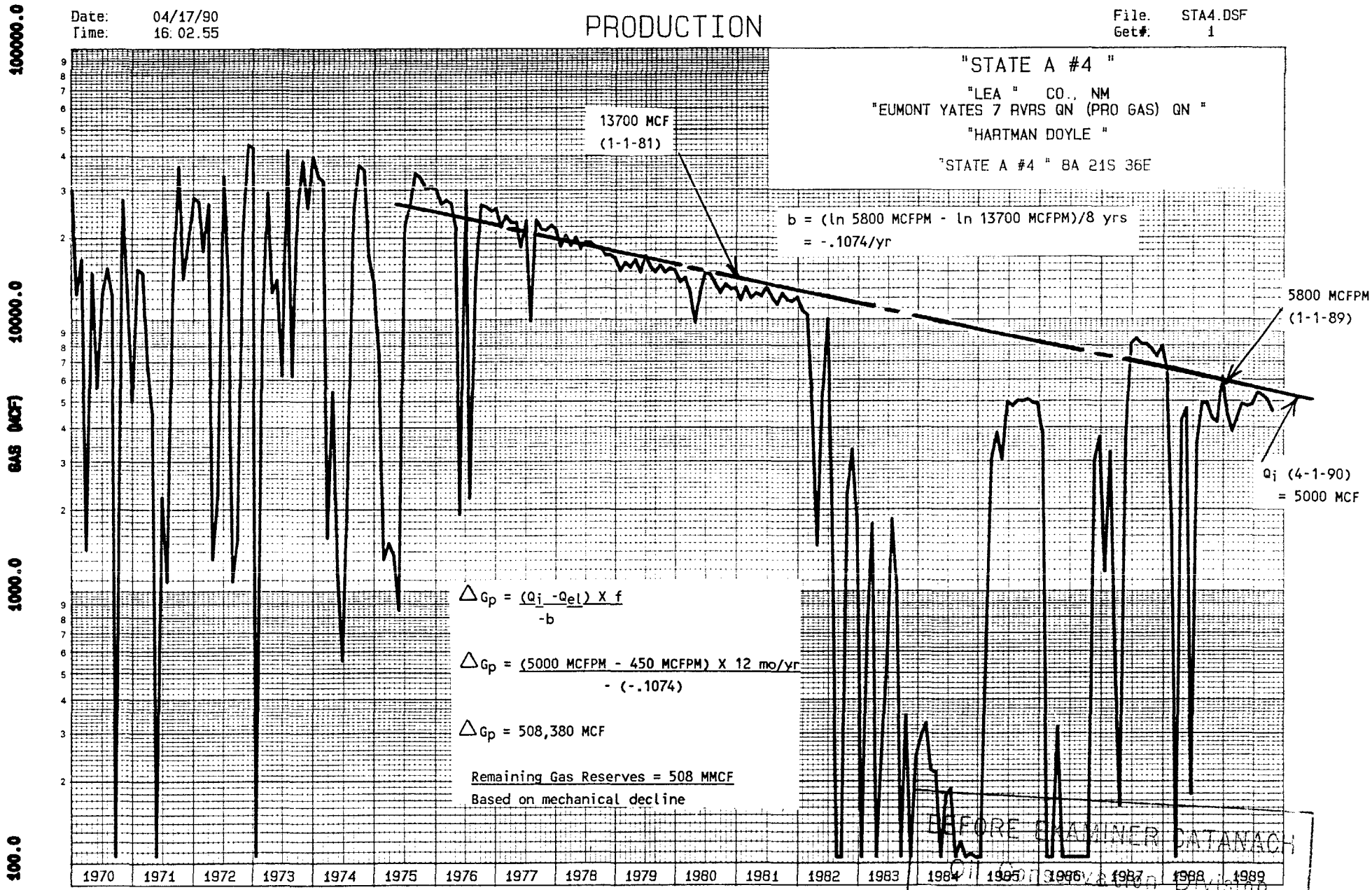
TIME -
USER/WS - /
MENU/OPTION - /
PROC/LIBRARY - /
PROGRAM - DWRG105

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
******	1978 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	36,402	35,030	12,418	13,768	10,531	965	12,822	12,341	12,813	13,984	12,210	13,105	186,389
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,591,629	3,626,659	3,639,077	3,652,845	3,663,376	3,664,341	3,677,163	3,689,504	3,702,317	3,716,301	3,728,511	3,741,616	3,741,616
******	1979 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	11,550	0	0	0	11,550
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	12,438	11,576	12,806	10,774	9,843	10,272	12,953	12,058	10,967	11,275	10,949	12,982	138,893
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,754,054	3,765,630	3,778,436	3,789,210	3,799,053	3,809,325	3,822,278	3,834,336	3,845,303	3,856,578	3,867,527	3,880,509	3,880,509
******	1980 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	1,197	1,197
OIL	0	0	0	0	0	0	0	0	0	0	0	133	133
GAS	17,169	11,206	14,684	26,710	20,847	10,021	11,590	19,483	15,678	17,844	17,840	14,791	197,863
CUMO	0	0	0	0	0	0	0	0	0	0	0	133	133
CUMG	3,897,678	3,908,884	3,923,568	3,950,278	3,971,125	3,981,146	3,992,736	4,012,219	4,027,897	4,045,741	4,063,581	4,078,372	4,078,372
******	1981 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	1,116	1,404	1,674	1,620	1,323	1,620	0	0	0	0	0	0	8,757
OIL	0	156	0	0	0	0	0	0	0	0	0	0	156
GAS	26,987	23,327	20,118	21,804	19,925	18,792	20,961	24,760	25,202	23,660	21,291	18,874	265,701
CUMO	133	289	289	289	289	289	289	289	289	289	289	289	289
CUMG	4,105,359	4,128,686	4,148,804	4,170,608	4,190,533	4,209,325	4,230,286	4,255,046	4,280,248	4,303,908	4,325,199	4,344,073	4,344,073
******	1982 ******												
FLOW	1	1	1	1	1	1	1	1	0	0	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	31	28	31	30	28	23	7	31	0	0	8	21	238
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	24,149	21,884	23,387	18,141	15,832	9,836	6,000	570	0	0	5,643	15,005	140,447
CUMO	289	289	289	289	289	289	289	289	289	289	289	289	289
CUMG	4,368,222	4,390,106	4,413,493	4,431,634	4,447,466	4,457,302	4,463,302	4,463,872	4,463,872	4,463,872	4,469,515	4,484,520	4,484,520
******	1983 ******												
FLOW	1	0	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	7	0	5	20	22	8	3	8	20	8	5	31	137
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	5,071	0	3,962	13,903	12,431	5,280	2,218	10,556	15,480	3,683	4,108	17,085	93,777
CUMO	289	289	289	289	289	289	289	289	289	289	289	289	289
CUMG	4,489,591	4,489,591	4,493,553	4,507,456	4,519,887	4,525,167	4,527,385	4,537,941	4,553,421	4,557,104	4,561,212	4,578,297	4,578,297
******	1984 ******												
FLOW	1	1	1	0	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	22	26	21	0	1	3	2	3	2	2	21	10	113
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	9,210	18,240	13,705	0	859	2,329	1,541	4,259	1,517	1,209	9,554	11,902	74,325
CUMO	289	289	289	289	289	289	289	289	289	289	289	289	289
CUMG	4,587,507	4,605,747	4,619,452	4,619,452	4,620,311	4,622,640	4,624,181	4,628,440	4,629,957	4,631,166	4,640,720	4,652,622	4,652,622
******	1985 ******												
FLOW	1	1	0	0	0	0	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	31	20	0	0	0	0	4	10	11	17	0	0	93
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	27,313	16,632	0	0	0	0	3,488	3,228	14,202	10,401	0	0	75,264
CUMO	289	289	289	289	289	289	289	289	289	289	289	289	289
CUMG	4,679,935	4,696,567	4,696,567	4,696,567	4,696,567	4,696,567	4,700,055	4,703,283	4,717,485	4,727,886	4,727,886	4,727,886	4,727,886

PRODUCTION BOOKS
T-21 R-36 SEC 5-10

RUN DATE - 11/08/07
TIME -
USER/WS - /
MENU/OPTION - /
PROC/LIBRARY - /
PROGRAM - DWRG105

TEST	70/11/06	609-SURF_PSIA	657 C-BH_PSIA	0 -POTENTIAL	.909-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	71/11/05	580-SURF_PSIA	625 C-BH_PSIA	0 -POTENTIAL	.913-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	72/05/12	552-SURF_PSIA	595 C-BH_PSIA	0 -POTENTIAL	.917-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	73/03/23	529-SURF_PSIA	570 C-BH_PSIA	0 -POTENTIAL	.920-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	74/03/29	500-SURF_PSIA	538 C-BH_PSIA	0 -POTENTIAL	.924-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	75/04/04	447-SURF_PSIA	481 C-BH_PSIA	0 -POTENTIAL	.932-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	76/04/01	434-SURF_PSIA	467 C-BH_PSIA	0 -POTENTIAL	.934-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	77/06/06	365-SURF_PSIA	392 C-BH_PSIA	0 -POTENTIAL	.944-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	78/06/26	374-SURF_PSIA	402 C-BH_PSIA	0 -POTENTIAL	.942-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	79/06/20	330-SURF_PSIA	355 C-BH_PSIA	0 -POTENTIAL	.949-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	80/06/10	331-SURF_PSIA	356 C-BH_PSIA	0 -POTENTIAL	.949-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	81/04/07	263-SURF_PSIA	282 C-BH_PSIA	0 -POTENTIAL	.959-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	82/06/22	239-SURF_PSIA	257 C-BH_PSIA	0 -POTENTIAL	.963-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	83/05/23	236-SURF_PSIA	253 C-BH_PSIA	0 -POTENTIAL	.963-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	84/05/21	247-SURF_PSIA	265 C-BH_PSIA	0 -POTENTIAL	.961-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW
TEST	85/05/21	250-SURF_PSIA	268 C-BH_PSIA	0 -POTENTIAL	.961-Z FACTOR	0 -B/D WAT	0-B/D COND	0-W/H PRESS FLOW

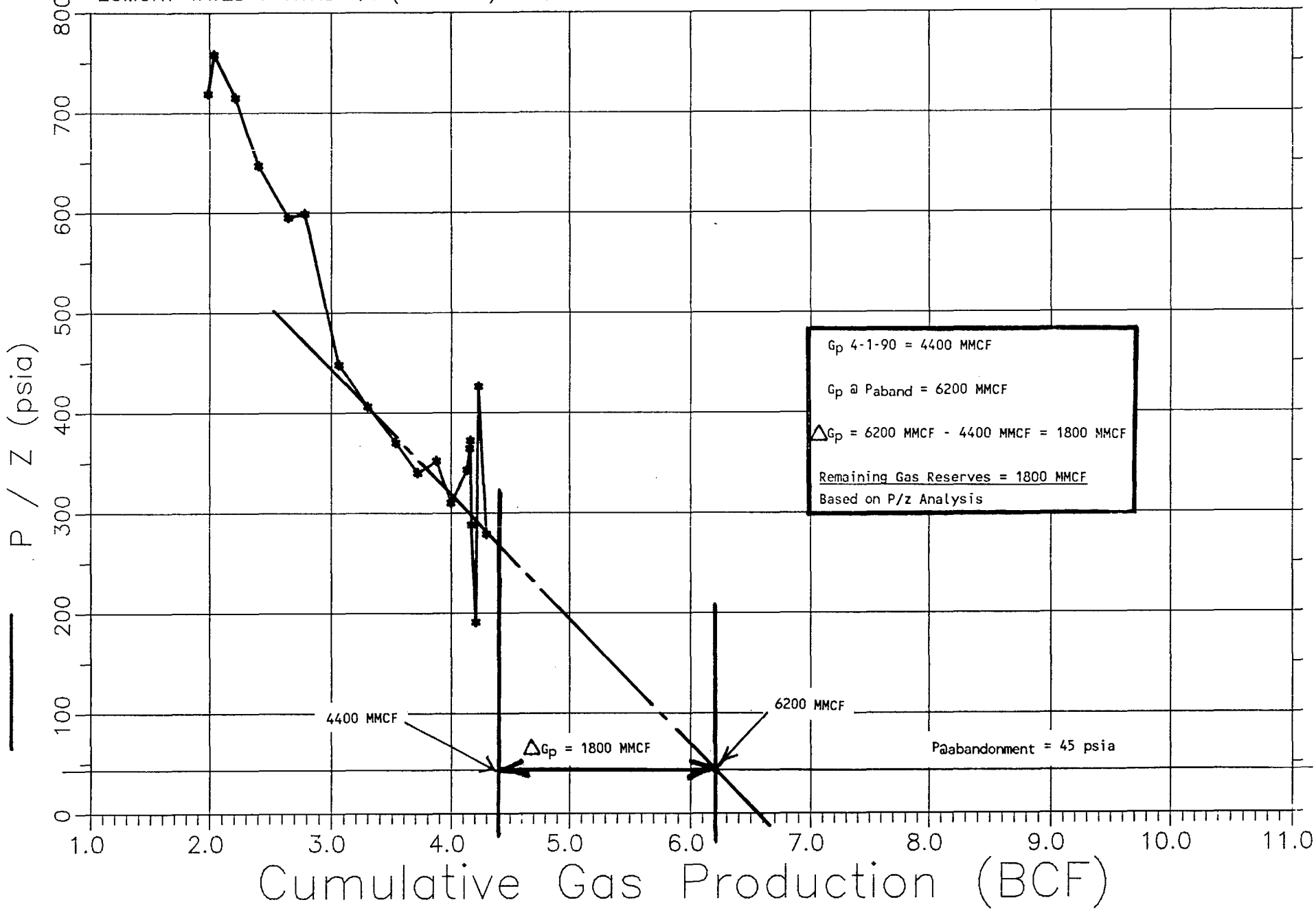


BEFORE EXAMINER CATANACH
Oil Conservation Division
DOYLE HARTMAN
Oil Operator
Exhibit No.
Case No. 9994

STATE A #4 000004

HARTMAN DOYLE
EUMONT YATES 7 RVRS QN (PRO GAS) QN STA4 - 8A 21S 36E

FIRST DATA POINT = 12/10/70
LAST DATA POINT = 09/23/88
CUM GAS = 4.363 BCF THROUGH 89/11
04/17/90



	ID	LOCN	Q/G	LEASE	WELL#	COUNTY	POOL	API#	NM PUN	FIRST PROD	GAS COMPDT	TOT DEPTH	GRAVITY GAS	G/L LIQ	RATIO
30 221	S36E08A00GN	BA21S 36E	G	STATE A	000004	025-LEA	006027316-EUMONT YATES 7 RVRS GN (PRO GAS) GN	0456700	49280		12153	00000	069	000	00000
				DEEB-309371 HARTMAN DOYLE	GATH-GAS-ELNAT EL PASO NATURAL GAS CO		EESES-UP-02913								
					-LIQ-		LO-03532	N FAC-00000		TEMP GRAD-00897		STATUS-01	00/00/00		

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
******	1970 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	27,459	11,416	15,263	1,316	13,562	5,178	11,365	14,227	11,329	58	25,415	11,782	148,370
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	1,870,149	1,881,565	1,896,828	1,898,144	1,911,706	1,916,884	1,928,249	1,942,476	1,953,805	1,953,863	1,979,278	1,991,060	1,991,060
******	1971 ******												
FLOW	1	1	1	1	1	0	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	4,618	14,141	13,589	6,105	4,142	0	2,059	1,005	11,965	33,545	13,094	17,933	122,196
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	1,995,678	2,009,819	2,023,408	2,029,513	2,033,655	2,033,655	2,035,714	2,036,719	2,048,684	2,082,229	2,095,323	2,113,256	2,113,256
******	1972 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	25,932	25,025	16,468	24,461	1,218	2,077	30,955	13,141	1,005	1,437	20,925	40,425	203,069
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,139,188	2,164,213	2,180,681	2,205,142	2,206,360	2,208,437	2,239,392	2,252,533	2,253,538	2,254,975	2,275,900	2,316,325	2,316,325
******	1973 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	39,337	99	8,411	26,978	11,612	12,922	5,739	38,614	5,723	23,371	35,068	23,704	231,578
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,355,662	2,355,761	2,364,172	2,391,150	2,402,762	2,415,684	2,421,423	2,460,037	2,465,760	2,489,131	2,524,199	2,547,903	2,547,903
******	1974 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	36,486	30,928	29,557	1,457	5,028	1,089	520	2,490	23,386	34,134	32,607	15,943	213,625
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,584,389	2,615,317	2,644,874	2,646,331	2,651,359	2,652,448	2,652,968	2,655,458	2,678,844	2,712,978	2,745,585	2,761,528	2,761,528
******	1975 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	12,640	6,780	1,220	1,402	1,258	796	20,597	24,340	31,926	30,531	27,992	28,506	187,988
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,774,168	2,780,948	2,782,168	2,783,570	2,784,828	2,785,624	2,806,221	2,830,561	2,862,487	2,893,018	2,921,010	2,949,516	2,949,516
******	1976 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	27,694	24,577	25,436	24,674	19,926	1,788	27,738	2,053	12,826	24,382	23,971	23,151	238,216
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	2,977,210	3,001,787	3,027,223	3,051,897	3,071,823	3,073,611	3,101,349	3,103,402	3,116,228	3,140,610	3,164,581	3,187,732	3,187,732
******	1977 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	23,631	20,206	22,290	21,007	21,108	17,070	21,442	9,113	21,621	19,904	19,667	20,555	237,614
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,211,363	3,231,569	3,253,859	3,274,866	3,295,974	3,313,044	3,334,486	3,343,599	3,365,220	3,385,124	3,404,791	3,425,346	3,425,346

DWIGHTS DATA DETAIL LISTING BY WELL

RUN DATE - 4/17/90
TIME -
USER/WS - /
MENU/OPTION - /
PROC/LIBRARY - /
PROGRAM - DWRG105

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
******	1978 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	19,818	17,163	18,869	17,337	18,567	16,895	17,905	17,802	17,117	17,113	15,997	16,012	210,595
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,445,164	3,462,327	3,481,196	3,498,533	3,517,100	3,533,995	3,551,900	3,569,702	3,586,819	3,603,932	3,619,929	3,635,941	3,635,941
******	1979 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	15,492	13,959	15,031	14,425	15,403	13,765	15,908	14,450	13,787	14,712	13,849	14,330	175,111
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,651,433	3,665,392	3,680,423	3,694,848	3,710,251	3,724,016	3,739,924	3,754,374	3,768,161	3,782,873	3,796,722	3,811,052	3,811,052
******	1980 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	13,967	12,700	13,214	11,588	9,036	11,460	13,702	13,590	12,469	11,643	12,547	12,041	147,957
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,825,019	3,837,719	3,850,933	3,862,521	3,871,557	3,883,017	3,896,719	3,910,309	3,922,778	3,934,421	3,946,968	3,959,009	3,959,009
******	1981 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	12,085	10,871	12,212	11,084	11,638	11,345	12,220	11,156	10,506	11,581	10,881	10,771	136,350
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	3,971,094	3,981,965	3,994,177	4,005,261	4,016,899	4,028,244	4,040,464	4,051,620	4,062,126	4,073,707	4,084,588	4,095,359	4,095,359
******	1982 ******												
FLOW	1	1	1	1	1	1	1	1	0	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	31	28	31	30	27	16	31	31	0	1	8	10	244
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	11,235	10,029	9,627	4,353	1,380	4,926	9,341	1,799	0	71	2,130	3,112	58,003
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,106,594	4,116,623	4,126,250	4,130,603	4,131,983	4,136,909	4,146,250	4,148,049	4,148,049	4,148,120	4,150,250	4,153,362	4,153,362
******	1983 ******												
FLOW	1	0	1	1	0	1	1	1	1	0	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	0	0	5	11	0	1	3	12	7	0	10	31	80
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	1,645	0	657	1,658	0	245	519	1,734	962	0	330	83	7,833
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,155,007	4,155,007	4,155,664	4,157,322	4,157,322	4,157,567	4,158,086	4,159,820	4,160,782	4,160,782	4,161,112	4,161,195	4,161,195
******	1984 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	27	29	31	30	28	7	30	31	30	31	30	29	333
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	231	275	309	208	204	34	167	178	66	114	97	103	1,988
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,161,426	4,161,701	4,162,010	4,162,218	4,162,422	4,162,456	4,162,623	4,162,801	4,162,869	4,162,983	4,163,080	4,163,183	4,163,183
******	1985 ******												
FLOW	1	0	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	31	0	31	28	28	30	31	30	30	31	30	31	331
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	27	0	617	2,848	3,580	2,851	4,636	4,482	4,703	4,665	4,764	4,604	37,777
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,163,210	4,163,210	4,163,827	4,166,675	4,170,255	4,173,106	4,177,742	4,182,224	4,186,927	4,191,592	4,196,356	4,200,960	4,200,960

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
******	1986 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	31	28	0	0	2	0	0	0	0	0	0	3	64
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	4,580	3,458	0	0	299	0	0	0	0	0	0	2,819	11,156
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,205,540	4,208,998	4,208,998	4,208,998	4,209,297	4,209,297	4,209,297	4,209,297	4,209,297	4,209,297	4,209,297	4,212,116	4,212,116
******	1987 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	16	8	18	1	6	.12	25	31	30	31	30	31	239
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	3,456	1,114	3,035	511	154	3,381	7,579	7,938	7,559	7,556	7,228	6,797	56,308
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,215,572	4,216,686	4,219,721	4,220,232	4,220,386	4,223,767	4,231,346	4,239,284	4,246,843	4,254,399	4,261,627	4,268,424	4,268,424
******	1988 ******												
FLOW	1	1	1	0	1	1	1	1	1	1	1	1	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	29	29	8	0	24	29	1	19	28	31	30	31	259
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	7,455	6,022	1,616	0	3,982	4,400	170	3,258	4,594	4,608	4,037	3,909	44,051
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,275,879	4,281,901	4,283,517	4,283,517	4,287,499	4,291,899	4,292,069	4,295,327	4,299,921	4,304,529	4,308,566	4,312,475	4,312,475
******	1989 ******												
FLOW	1	1	1	1	1	1	1	1	1	1	1	0	
LIFT	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS	28	26	24	29	31	30	31	31	30	31	30	0	321
WATER	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS	5,750	4,234	3,626	4,051	4,570	4,481	4,567	5,044	4,907	4,718	4,322	0	50,270
CUMO	0	0	0	0	0	0	0	0	0	0	0	0	0
CUMG	4,318,225	4,322,459	4,326,085	4,330,136	4,334,706	4,339,187	4,343,754	4,348,798	4,353,705	4,358,423	4,362,745	4,362,745	4,362,745

TEST	70/12/10	598-SUBF_PSIA	646 C-BH_PSIA	719.3-BHPZ	0 -POTENTIAL	.898-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	71/05/07	627-SUBF_PSIA	678 C-BH_PSIA	758.3-BHPZ	0 -POTENTIAL	.894-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	72/06/27	595-SUBF_PSIA	643 C-BH_PSIA	715.2-BHPZ	0 -POTENTIAL	.899-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	73/05/29	544-SUBF_PSIA	587 C-BH_PSIA	647.1-BHPZ	0 -POTENTIAL	.907-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	74/05/21	504-SUBF_PSIA	544 C-BH_PSIA	595.1-BHPZ	0 -POTENTIAL	.914-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	75/05/19	507-SUBF_PSIA	547 C-BH_PSIA	597.1-BHPZ	0 -POTENTIAL	.913-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	76/05/10	388-SUBF_PSIA	418 C-BH_PSIA	446.0-BHPZ	0 -POTENTIAL	.933-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	77/06/06	354-SUBF_PSIA	381 C-BH_PSIA	406.1-BHPZ	0 -POTENTIAL	.938-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	78/06/27	324-SUBF_PSIA	349 C-BH_PSIA	370.0-BHPZ	0 -POTENTIAL	.943-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	79/06/20	299-SUBF_PSIA	322 C-BH_PSIA	340.0-BHPZ	0 -POTENTIAL	.947-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	80/06/10	310-SUBF_PSIA	333 C-BH_PSIA	352.0-BHPZ	0 -POTENTIAL	.946-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	81/04/07	274-SUBF_PSIA	295 C-BH_PSIA	309.8-BHPZ	0 -POTENTIAL	.952-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	82/06/22	302-SUBF_PSIA	325 C-BH_PSIA	343.1-BHPZ	0 -POTENTIAL	.947-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	83/05/23	320-SUBF_PSIA	344 C-BH_PSIA	364.4-BHPZ	0 -POTENTIAL	.944-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	84/05/21	326-SUBF_PSIA	351 C-BH_PSIA	372.2-BHPZ	0 -POTENTIAL	.943-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	85/05/21	256-SUBF_PSIA	275 C-BH_PSIA	287.9-BHPZ	0 -POTENTIAL	.955-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	86/09/15	172-SUBF_PSIA	185 C-BH_PSIA	190.7-BHPZ	0 -POTENTIAL	.970-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	87/07/28	371-SUBF_PSIA	399 C-BH_PSIA	426.2-BHPZ	0 -POTENTIAL	.936-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW
TEST	88/09/23	248-SUBF_PSIA	267 C-BH_PSIA	279.2-BHPZ	0 -POTENTIAL	.956-Z_FACTOR	0 -B/D_WAT	0-B/D_COND	0-W/H_PRESS_FLOW

Report Totals 2,520,055-Gas 4,362,745-Gas Cume 0-Oil 0-Oil Cume 0-Water 1,871-Days