

BEFORE EXAMINER QUINTANA
OIL CONSERVATION DIVISION

APC EXHIBIT NO. 6
CASE NO. 8595

10800

SPUD: 7/10/84 COMP: 8/31/84

Pfs: 10,810'-12', 10,817'-21', 10,826'-30'
10,841'-44', 10,860'-76'

FARO: 321 BOPD, Ø BSW, GOR 1084/1,
28/64" CK., FTP 145#, 41° GVTY.

10900

EXHIBIT No. E-1

APACHE CORPORATION

CAUDILL (WOLFCAMP) NORTHEAST FIELD
LEA COUNTY, NEW MEXICO

TYPE LOG

APACHE — GILLIAM No. 1
Sec. 2 - T 15 S - R 36 E

MAY 8, 1985

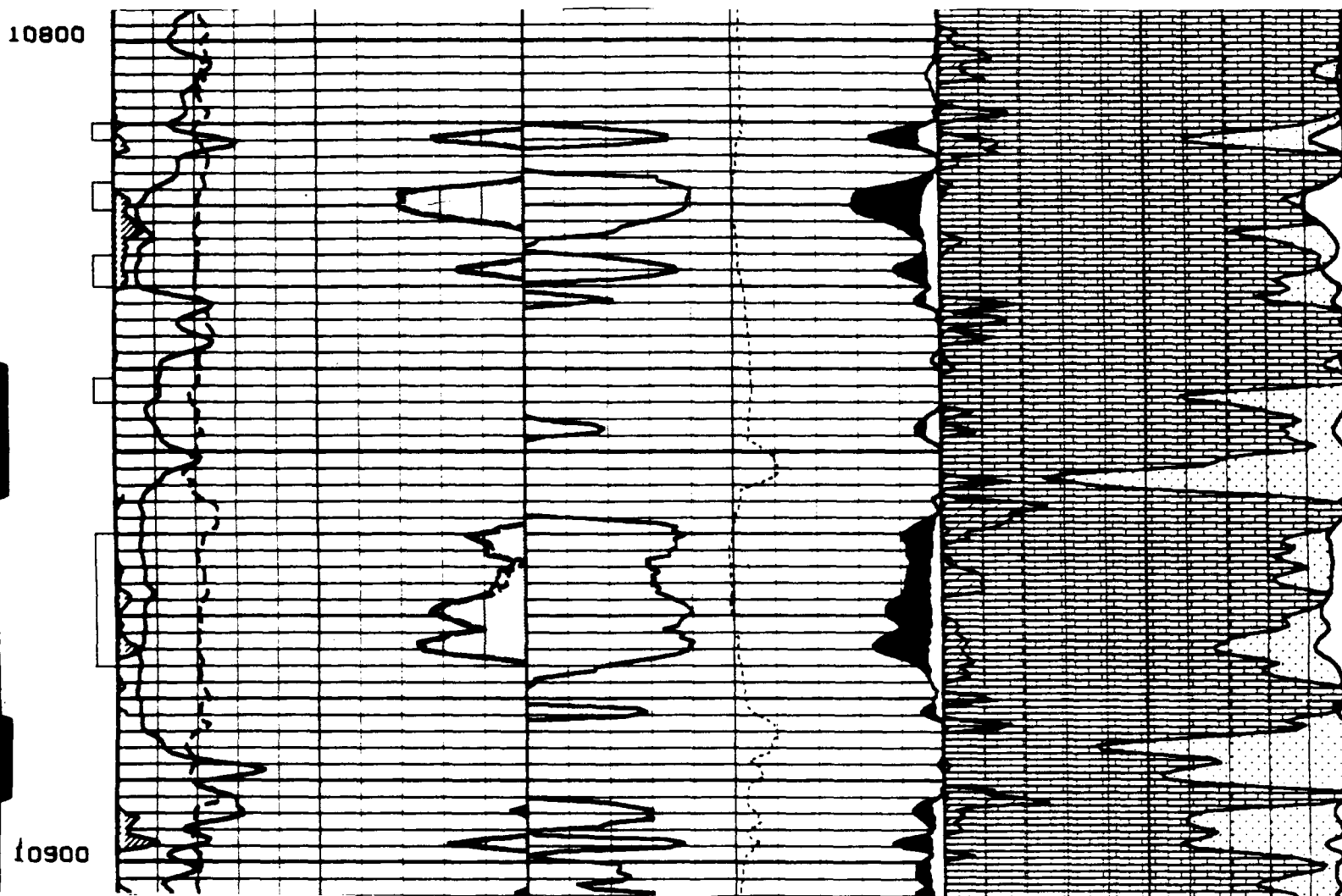
APACHE CORPORATION - GILLIAM No. 1

CAUDILL (WOLFCAMP) NORTHEAST FIELD

LEA COUNTY, NEW MEXICO

SEC. 2 - T 15 S - R 36 E

— COMPUTER PROCESSED LOG —



	0	100	1K	.01	100	0 25
						0 100%
B	G	GR	PERMS	SW	PHIE	
A	S	2.5 3.0	OIL		BUXO	FORMATION BULK
D						VOLUME ANALYSIS
H	F	RHGA	GAS		BUW	
O	L					
L	A	0 25	WTR			
E	G					
		SPI				

EXHIBIT No. E-2

MAY 8, 1985

Apache - Gilliam No. 1
Caudill(Wolfcamp), Northeast Field
Lea County, New Mexico

Recoverable Reserve Calculation
- 40 Acre Spacing -

Net Pay at Well - Feet	<u>28</u>
Estimated Average Net Pay over Drainage Area - Feet	<u>28</u>
Estimated Drainage Area - Acres	<u>40</u>
Porosity - Percent	<u>5.9</u>
Connate Water - Percent	<u>32.1</u>
Formation Volume Factor	<u>1.59</u>
Initial Oil in Place - Bbls./Ac.-Ft.	<u>195.5</u>
Recovery Factor - Percent	<u>20</u>
Recoverable Oil - Bbls./Ac.-Ft.	<u>39.1</u>
Drainage Volume - Acre-Feet	<u>1120</u>
Calculated Ultimate Recovery - Bbls.	<u>43,792</u>
Average Lifetime Gas-Oil Ratio - Scf/Barrel	<u>1,000</u>
Ultimate Casinghead Gas Recovery - MMCF	<u>43.8</u>

- API Bulletin confirmed - D14

Apache - Gilliam No. 1
Caudill(Wolfcamp), Northeast Field
Lea County, New Mexico

Recoverable Reserve Calculation
- 80 Acre Spacing -

Net Pay at Well - Feet	<u>28</u>
Estimated Average Net Pay over Drainage Area - Feet	<u>28</u>
Estimated Drainage Area - Acres	<u>80</u>
Porosity - Percent	<u>5.9</u>
Connate Water - Percent	<u>32.1</u>
Formation Volume Factor	<u>1.59</u>
Initial Oil in Place - Bbls./Ac.-Ft.	<u>195.5</u>
Recovery Factor - Percent	<u>15</u>
Recoverable Oil - Bbls./Ac.-Ft.	<u>29.3</u>
Drainage Volume - Acre-Feet	<u>2240</u>
Calculated Ultimate Recovery - Bbls.	<u>65,632</u>
Average Lifetime Gas-Oil Ratio - Scf/Barrel	<u>1,000</u>
Ultimate Casinghead Gas Recovery - MMCF	<u>65.6</u>

NORTHEAST CAUDILL NO. 1 (40 ACRES)
CAUDILL (WOLFCAMP), NORTHEAST FIELD
LEA COUNTY, NEW MEXICO
APACHE CORPORATION

TYPE WELL
40 ACRE SPACING

R E S E R V E S A N D E C O N O M I C S

EXHIBIT NO. E-4

AS OF JANUARY 1, 1985

-END- MO-YR	GROSS PRODUCTION---		NET PRODUCTION---		PRICES---		NO. OF WELLS	OPERATIONS, M\$--			TOTAL REVENUE		
	OIL, MMBL	GAS, MMCF	OIL, MMBL	GAS, MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	OTHER REVENUE			
12-85	40.857	40.857	33.196	33.196	27.00	3.00	1.0	896.292	99.588	0.000	995.880		
12-86	2.935	2.935	2.385	2.385	27.54	3.06	1.0	65.683	7.298	0.000	72.981		
12-87													
12-88													
12-89													
12-90													
12-91													
12-92													
12-93													
12-94													
12-95													
12-96													
12-97													
12-98													
12-99													
S TOT	43.792	43.792	35.581	35.581	27.04	3.00	0.0	961.975	106.886	0.000	1068.861		
AFTER	0.000	0.000	0.000	0.000	0.00	0.00	0.0	0.000	0.000	0.000	0.000		
TOTAL	43.792	43.792	35.581	35.581	27.04	3.00	0.0	961.975	106.886	0.000	1068.861		
-END- MO-YR	OPERATIONS, M\$--		NET OPER EXPENSES		TANGIBLE COSTS		CAPITAL INTANG. COSTS		LSEHOLD COSTS		CASH FLOW BTAX, M\$		15.00 PCT CUM. DISC BTAX, M\$
12-85	SEV + ADV TAXES	WF PROFIT TAXES											
12-86	52.165	0.000	18.000		925.715		689.800		0.000		-206.210		-267.989
12-87	3.817	0.000	17.403		51.761		0.000		0.000		51.761		-225.730
12-88													
12-89													
12-90													
12-91													
12-92													
12-93													
12-94													
12-95													
12-96													
12-97													
12-98													
12-99													
S TOT	55.982	0.000	35.403		977.476		689.800		0.000		-154.449		-225.730
AFTER	0.000	0.000	0.000		0.000		0.000		0.000		0.000		-225.730
TOTAL	55.982	0.000	35.403		977.476		689.800		0.000		-154.449		-225.730

NORTHEAST CAUDILL NO. 1 (40 ACRES)
CAUDILL (WOLFCAMP), NORTHEAST FIELD
LEA COUNTY, NEW MEXICO
APACHE CORPORATION

A F T E R T A X E C O N O M I C S

EXHIBIT NO. E-4

TYPE WELL
40 ACRE SPACING
AS OF JANUARY 1, 1985

-END- MO-YR	OPER CASH FLOW, M\$	DEPR. EXP., M\$	DEPL. EXP., M\$	INTANG. EXP., M\$	INTEREST EXP., M\$	TAXABLE INCOME M\$	INVEST. CREDIT M\$	TAXES PAYABLE M\$	CASH FLOW ATA, M\$	15.00 PCT CUM. DISC ATA, M\$
12-85	925.715	412.493	0.000	689.800	0.000	-176.578	44.213	-125.439	-80.771	-150.921
12-86	51.761	29.632	0.000	0.000	0.000	22.129	0.000	10.179	41.582	-116.973
12-87										
12-88										
12-89										
12-90										
12-91										
12-92										
12-93										
12-94										
12-95										
12-96										
12-97										
12-98										
12-99										
S TOT	977.476	442.125	0.000	689.800	0.000	-154.449	44.213	-115.260	-39.189	-116.973
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-116.973
TOTAL	977.476	442.125	0.000	689.800	0.000	-154.449	44.213	-115.260	-39.189	-116.973
-----PRESENT WORTH PROFILE-----										
BTAX RATE OF RETURN (PCT)			0.00	ATAX RATE OF RETURN (PCT)			0.00	DISC	PW OF NET	PW OF NET
BTAX PAYOUT YEARS			1.91	ATAX PAYOUT YEARS			1.91	RATE	BTAX, M\$	ATA, M\$
BTAX PAYOUT YEARS (DISC)			1.91	ATAX PAYOUT YEARS (DISC)			1.91	-----	-----	-----
BTAX NET INCOME/INVEST			0.86	ATAX NET INCOME/INVEST			0.97	0.0	-154.449	-39.189
BTAX NET INCOME/INVEST (DISC)			0.80	ATAX NET INCOME/INVEST (DISC)			0.90	2.0	-165.025	-50.709
								5.0	-180.215	-67.268
PRODUCTION START DATE			1/ 1/85	PROJECT LIFE (YEARS)			1.91	8.0	-194.652	-83.020
MONTHS IN FIRST LINE			12.00	DISCOUNT RATE (PCT)			15.00	10.0	-203.888	-93.105
GROSS WELLS			1.00	PRIOR DEPL. BASIS (M\$)			0.000	12.0	-212.831	-102.874
				PRIOR DEPR. BASIS (M\$)			0.000	15.0	-225.730	-116.973
								18.0	-238.047	-130.446
MAX. OIL PRICE (\$/B)			27.54	MAX. GAS PRICE (\$/M)			3.06	20.0	-245.958	-139.103
GROSS OIL WELLS			1.00	GROSS GAS WELLS			0.00	25.0	-264.754	-159.693
								30.0	-282.279	-178.908
CUMULATIVE OIL (MBBL)			0.000	CUMULATIVE GAS (MMCF)			0.000	35.0	-298.661	-196.892
REMAINING OIL (MBBL)			43.792	REMAINING GAS (MMCF)			43.792	40.0	-314.020	-213.765
ULTIMATE OIL (MBBL)			43.792	ULTIMATE GAS (MMCF)			43.792	45.0	-328.454	-229.636
								50.0	-342.049	-244.597
								60.0	-367.019	-272.109
								70.0	-389.438	-296.845
INITIAL W.I. FRACTION			1.000000000	FINAL W.I. FRACTION			1.000000000	80.0	-409.703	-319.233
INITIAL NET OIL FRACTION			0.81250000	FINAL NET OIL FRACTION			0.81250000	90.0	-428.132	-339.614
INITIAL NET GAS FRACTION			0.81250000	FINAL NET GAS FRACTION			0.81250000	100.0	-444.981	-358.268

NORTHEAST CAUDILL NO. 1 (80 ACRES)
CAUDILL (WOLFCAMP), NORTHEAST FIELD
LEA COUNTY, NEW MEXICO
APACHE CORPORATION

EXHIBIT NO. E-4A

R E S E R V E S A N D E C O N O M I C S

TYPE WELL
80 ACRE SPACING

AS OF JANUARY 1, 1985

--END-- MO-YR	---GROSS PRODUCTION---		---NET PRODUCTION---		---PRICES---		NO. OF WELLS	---OPERATIONS, M\$---			TOTAL REVENUE
	OIL, MBBL	GAS, MMCF	OIL, MBBL	GAS, MMCF	OIL \$/B	GAS \$/M		OIL REVENUE	GAS REVENUE	OTHER REVENUE	
12-85	54.520	54.520	44.298	44.298	27.00	3.00	1.0	1196.046	132.894	0.000	1328.940
12-86	9.537	9.537	7.749	7.749	27.54	3.06	1.0	213.407	23.712	0.000	237.119
12-87	1.575	1.575	1.280	1.280	28.64	3.18	1.0	36.661	4.073	0.000	40.734
12-88											
12-89											
12-90											
12-91											
12-92											
12-93											
12-94											
12-95											
12-96											
12-97											
12-98											
12-99											
S TOT	65.632	65.632	53.327	53.327	27.12	3.01	0.0	1446.114	160.679	0.000	1606.793
AFTER	0.000	0.000	0.000	0.000	0.00	0.00	0.0	0.000	0.000	0.000	0.000
TOTAL	65.632	65.632	53.327	53.327	27.12	3.01	0.0	1446.114	160.679	0.000	1606.793
--END-- MO-YR	---OPERATIONS, M\$---		---OPERATIONS		---CAPITAL COSTS, M\$---		CASH FLOW		15.00 PCT		
	SEV + ADV TAXES	WF PROFIT TAXES	NET OPER EXPENSES	OPERATIONS CASH FLOW	TANGIBLE COSTS	INTANG. COSTS	LSEHOLD COSTS	SALVAGE VALUE	BTAX, M\$	CUM. DISC BTAX, M\$	
12-85	69.612	0.000	18.000	1241.328	442.125	689.800	0.000	0.000	109.403	26.562	
12-86	12.401	0.000	19.080	205.638	0.000	0.000	0.000	0.000	205.638	193.444	
12-87	2.124	0.000	17.510	21.100	0.000	0.000	0.000	0.000	21.100	208.471	
12-88											
12-89											
12-90											
12-91											
12-92											
12-93											
12-94											
12-95											
12-96											
12-97											
12-98											
12-99											
S TOT	84.137	0.000	54.590	1468.066	442.125	689.800	0.000	0.000	336.141	208.471	
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
TOTAL	84.137	0.000	54.590	1468.066	442.125	689.800	0.000	0.000	336.141	208.471	

NORTHEAST CAUDILL NO. 1 (80 ACRES)
CAUDILL (WOLFCAMP), NORTHEAST FIELD
LEA COUNTY, NEW MEXICO
APACHE CORPORATION

A F T E R T A X E C O N O M I C S

EXHIBIT NO. E-4A

TYPE WELL
80 ACRE SPACING
AS OF JANUARY 1, 1985

-END- MO-YR	OPER CASH FLOW, M\$	DEPR. EXP., M\$	DEPL. EXP., M\$	INTANG. EXP., M\$	INTEREST EXP., M\$	TAXABLE INCOME M\$	INVEST. CREDIT M\$	TAXES PAYABLE M\$	CASH FLOW ATAX, M\$	15.00 PCT CUM. DISC ATAX, M\$
12-85	1241.328	367.270	0.000	689.800	0.000	184.258	44.213	40.546	68.857	-11.278
12-86	205.638	64.245	0.000	0.000	0.000	141.393	0.000	65.041	140.597	102.821
12-87	21.100	10.610	0.000	0.000	0.000	10.490	0.000	4.825	16.275	114.412
12-88										
12-89										
12-90										
12-91										
12-92										
12-93										
12-94										
12-95										
12-96										
12-97										
12-98										
12-99										
S TOT	1468.066	442.125	0.000	689.800	0.000	336.141	44.213	110.412	225.729	114.412
AFTER	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	114.412
TOTAL	1468.066	442.125	0.000	689.800	0.000	336.141	44.213	110.412	225.729	114.412
-----PRESENT WORTH PROFILE-----										
BTAX RATE OF RETURN (PCT)	52.22			ATAX RATE OF RETURN (PCT)	35.71			DISC RATE	PW OF NET BTAX, M\$	PW OF NET ATAX, M\$
BTAX PAYOUT YEARS	0.91			ATAX PAYOUT YEARS	0.94					
BTAX PAYOUT YEARS (DISC)	0.98			ATAX PAYOUT YEARS (DISC)	1.10					
BTAX NET INCOME/INVEST	1.30			ATAX NET INCOME/INVEST	1.20					
BTAX NET INCOME/INVEST (DISC)	1.18			ATAX NET INCOME/INVEST (DISC)	1.10					
PRODUCTION START DATE	1/ 1/85			PROJECT LIFE (YEARS)	2.87					
MONTHS IN FIRST LINE	12.00			DISCOUNT RATE (PCT)	15.00					
GROSS WELLS	1.00			PRIOR DEPL. BASIS (M\$)	0.000					
				PRIOR DEPR. BASIS (M\$)	0.000					
MAX. OIL PRICE (\$/B)	28.64			MAX. GAS PRICE (\$/M)	3.18					
GROSS OIL WELLS	1.00			GROSS GAS WELLS	0.00					
CUMULATIVE OIL (MBBL)	0.000			CUMULATIVE GAS (MMCF)	0.000					
REMAINING OIL (MBBL)	65.632			REMAINING GAS (MMCF)	65.632					
ULTIMATE OIL (MBBL)	65.632			ULTIMATE GAS (MMCF)	65.632					
INITIAL W.I. FRACTION	1.000000000			FINAL W.I. FRACTION	1.000000000					
INITIAL NET OIL FRACTION	0.81250000			FINAL NET OIL FRACTION	0.81250000					
INITIAL NET GAS FRACTION	0.81250000			FINAL NET GAS FRACTION	0.81250000					

APACHE CORPORATION PRODUCTION HISTORY REPORT MAJOR PHASE OIL

8-May-85

PHAT01.PLO

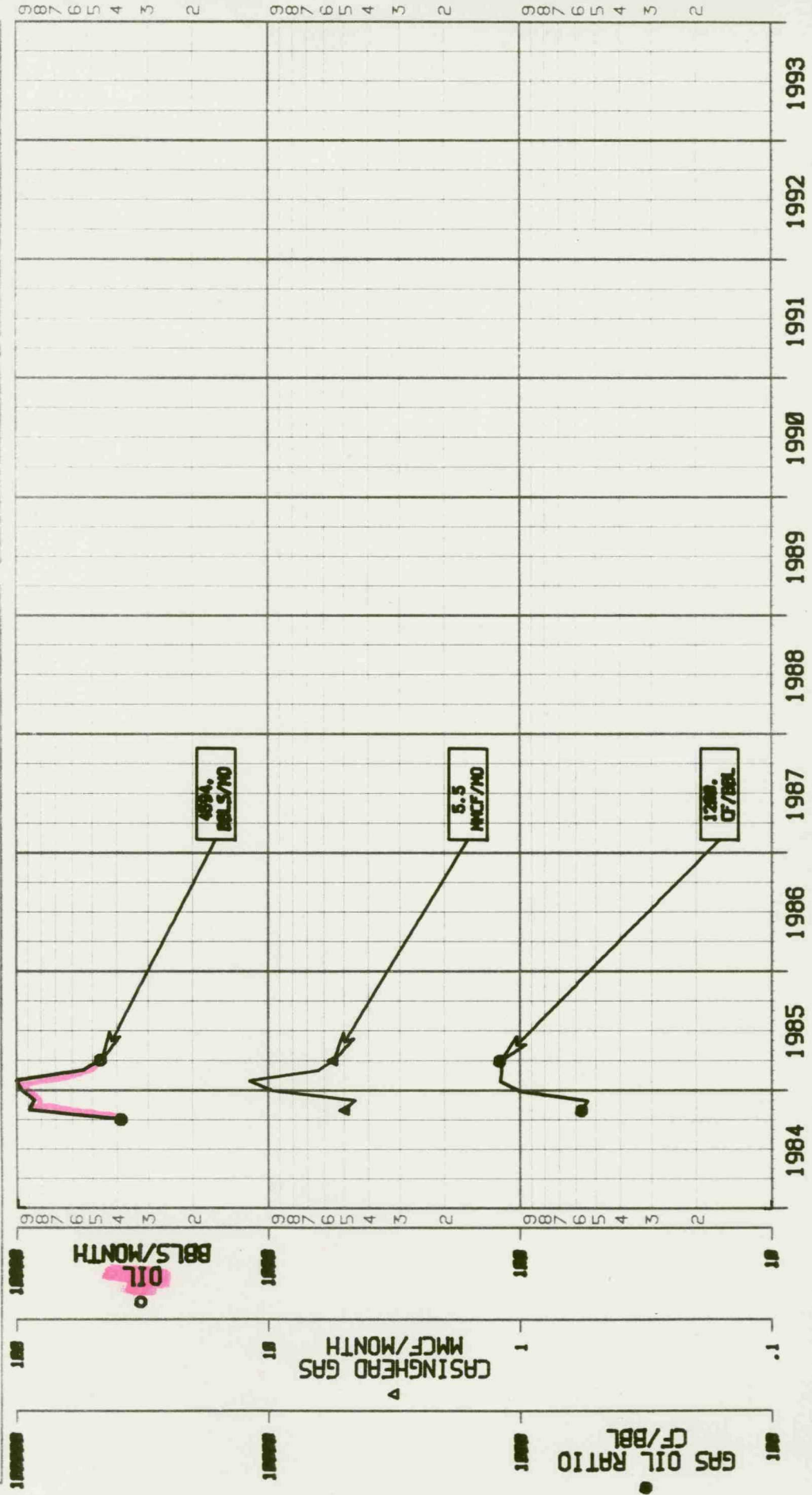
operator: WILLIAM BULL
well name: WILLIAM BULL
field: CRADILL VOLFCAMP, NORTHEAST
county, state: LER, NH

APACHE

WC

CUMULATIVE PRODUCTION TO 4-1-85

OIL 58,462 MBBL
CSG 42,998 MMCF



150,025,155060210000

PHATSP.DAT (9) NH,LER

,GILLIAM ,000000

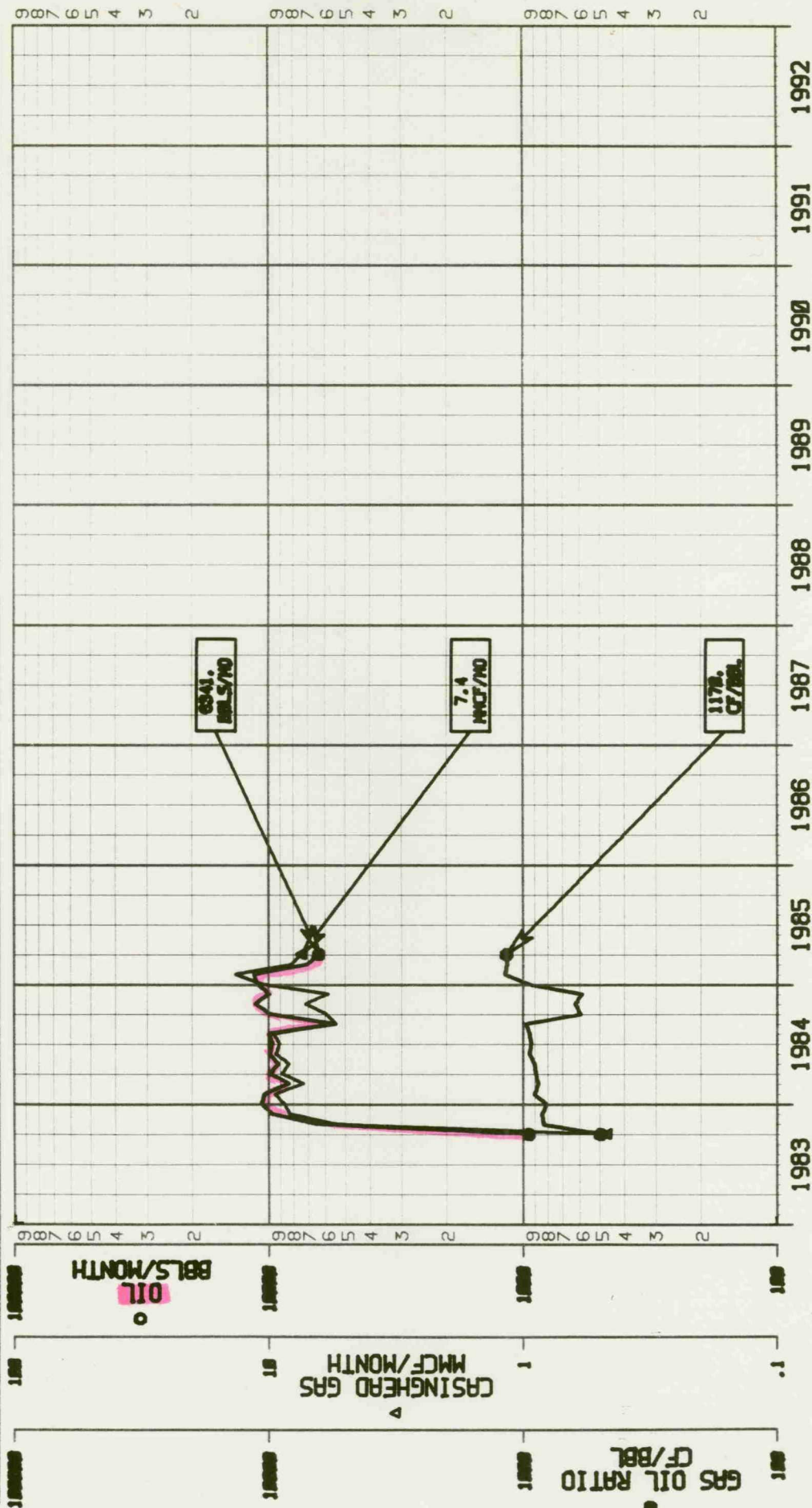
APACHE CORPORATION PRODUCTION HISTORY REPORT MAJOR PHASE OIL

6-May-86

PHATB1.PLO

SUMMARY OF PRODUCTION
CRUDILL VOLFCAMP, NORTHEAST FIELD
LEA COUNTY, NEW MEXICO

CUMULATIVE PRODUCTION TO 4-1-86
OIL 188,132 MBBL.S
GAS 149,588 MMCF

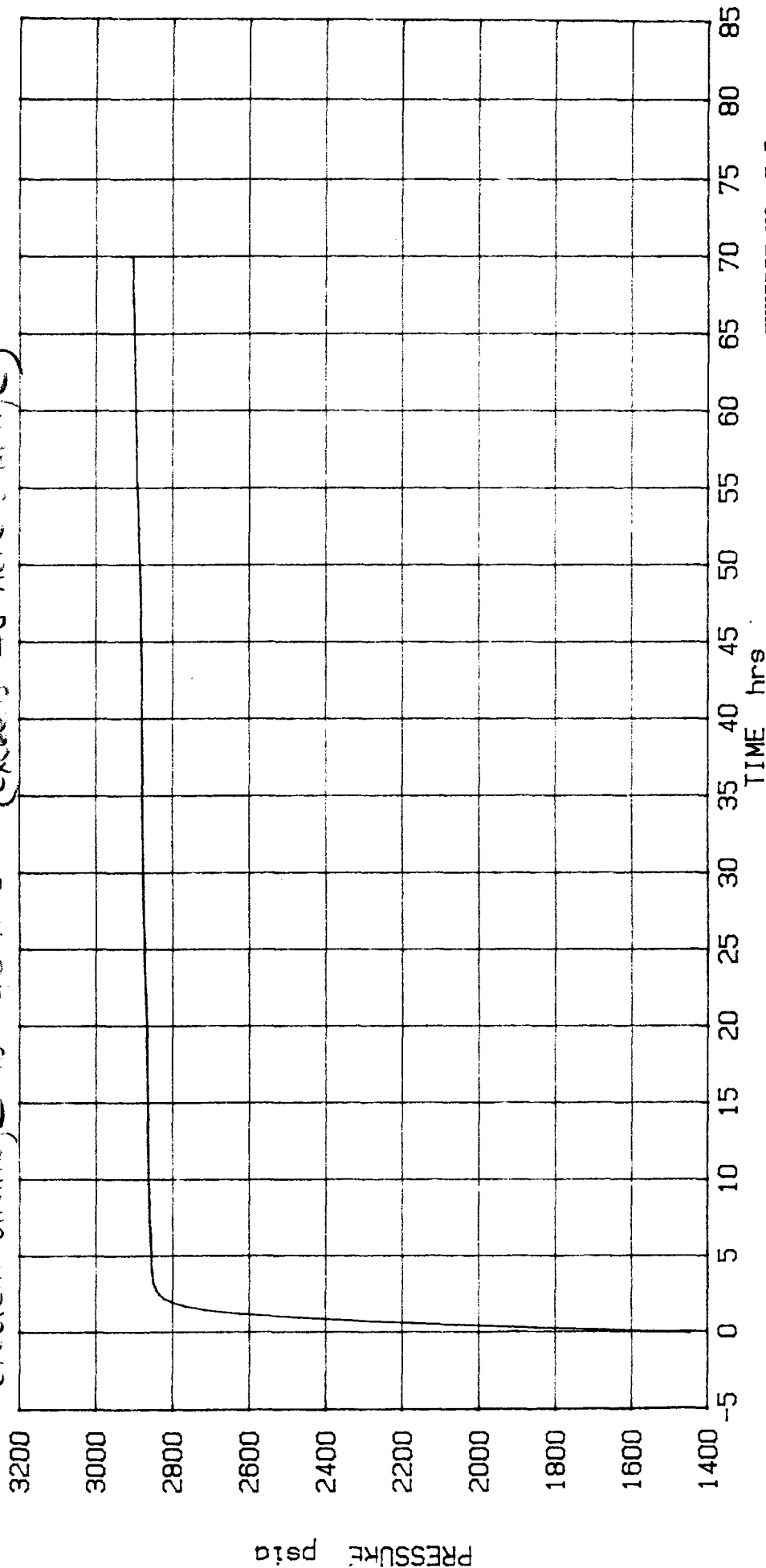


PRESSURE BUILD-UP TEST

TEST DATE: 08/31/84 TO 09/02/84
 TEST DEPTH: 10690 ft
 ELEMENT NO: RPC3#46950
 RANGE: 7250 psig
 CLOCK: 30336
 RANGE: 72 hrs
 OPERATOR: DAVID SPENCER

RAY RICHEMANN
FLORIDA EXPLORATION APACHE CORPORATION GILLIAN #1
BENNETT-CATHEY WIRE LINE SERVICE Box 787 Artesia, N.M. 88210 (505) 748-3354

Depleted 1/3 st reservoir pressure within 1 year.
 Excellent drainage to trees - (Excludes 40 acre drainage)



HINKLE, COX, EATON, COFFIELD & HENSLEY

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD A. SIMMS
DEBORAH NORWOOD*
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT*

JAMES BRUCE
JERRY F. SHACKELFORD*
ALBERT L. PITTS
FRED W. SCHWENDIMANN
THOMAS D. HAINES, JR.
THOMAS M. HNASKO
MICHAEL F. MILLERICK
FRANKLIN H. MCCALLUM*
ALLEN G. HARVEY*
GREGORY J. NIBERT
JUDY K. MOORE*
DAVID T. MARKETTE*
JAMES R. McADAMS*
BRUCE R. ROGOFF
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA J. NICHOLS
PAUL R. NEWTON
WILLIAM R. JOHNSON*

OF COUNSEL
ROY C. SNODGRASS, JR.
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD

CLARENCE E. HINKLE (1904-1985)
W. E. BONDURANT, JR. (1913-1973)
ROBERT A. STONE (1905-1981)

*NOT LICENSED IN NEW MEXICO

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

SANTA FE, NEW MEXICO 87504-2068

(505) 982-4554

200 CENTURY PLAZA
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 12118
AMARILLO, TEXAS 79101
(806) 372-5569

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88201
(505) 622-6510

April 1, 1986

*Case file
BLL*

RECEIVED

APR 4 1986

OIL CONSERVATION DIVISION

Mr. R. L. Stamets, Chairman
New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87504

Re: Application for Rehearing by Union Texas Petroleum
Corporation, Case No. 8678 De Novo (Order
R-7983-C), and Case No. 8793 (Order R-8153)

Dear Mr. Stamets:

We understand that the above applications have been denied. For the record, we would point out that the Deposition of Gilbert Quintana, cited by Union Texas in its application for rehearing in Case No. 8678 De Novo, is not part of the record of the proceedings before the Commission, and is not a part of the record if an appeal to the district court is taken by Union Texas.

Sincerely,

Owen M. Lopez
Owen M. Lopez

OML/mg

cc: William F. Carr
W. Thomas Kellahin
Thomas Simons, IV
Wilton Scott



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

March 3, 1986

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mr. William F. Carr
Campbell & Black
Attorneys at Law
Post Office Box 2208
Santa Fe, New Mexico

Re: CASE NO. 8678
ORDER NO. R-7983-C

Applicant:

Wilton Scott

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Commission order recently entered in the subject case.

Sincerely,

R. L. STAMETS
Director

RLS/fd

Copy of order also sent to:

Hobbs OCD X
Artesia OCD X
Aztec OCD

Other Dwen Lopez, Tom Kellahin, Karen Aubrey, Charles Gentry