

DATA SHEET
BRONCO SILURO-DEVONIAN POOL

Location: Lea County, New Mexico and Yoakum County, Texas

Discovery Well: Amerada Hess Corp. - L. R. Weems No. 1 - November, 1952

Number of Wells:	<u>Producing</u>	<u>Former Producers</u>
New Mexico	9	5
Total Pool	20	9

Productive Acres: 1200-A Total Pool, 570-A New Mexico

Producing Horizon: Devonian

Depth: 11,600' ✓

Rock Description: Vugular, fractured, intergranular dolomite

Average Porosity: 5.8% (core data)

Average Permeability: 148 md. (core data)

Average Water Saturation: 16% (logs)

Average Pay Thickness: 190' Gross, 150' Net

Oil Gravity: 44° API

GOR: 138 SCF/BBL

Bubble Point: 450 psi

Initial BHP: 4789 psi at - 8000' datum

Producing Mechanism: Active water drive

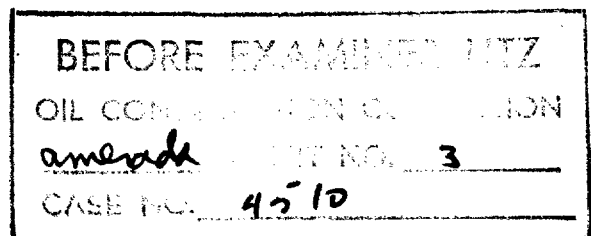
Current Producing Rate: (November, 1970)	<u>Oil-B/D</u>	<u>Water-B/D</u>	<u>Gas-MCF/D</u>
New Mexico	1050	2076	121
Total Pool	2034	9456	197

Cumulative Production:	New Mexico	10,599,662 Barrels
	Total Pool	22,856,000 Barrels

Ultimate Recovery: 30,700,000 Barrels

Percent Depleted: 74%

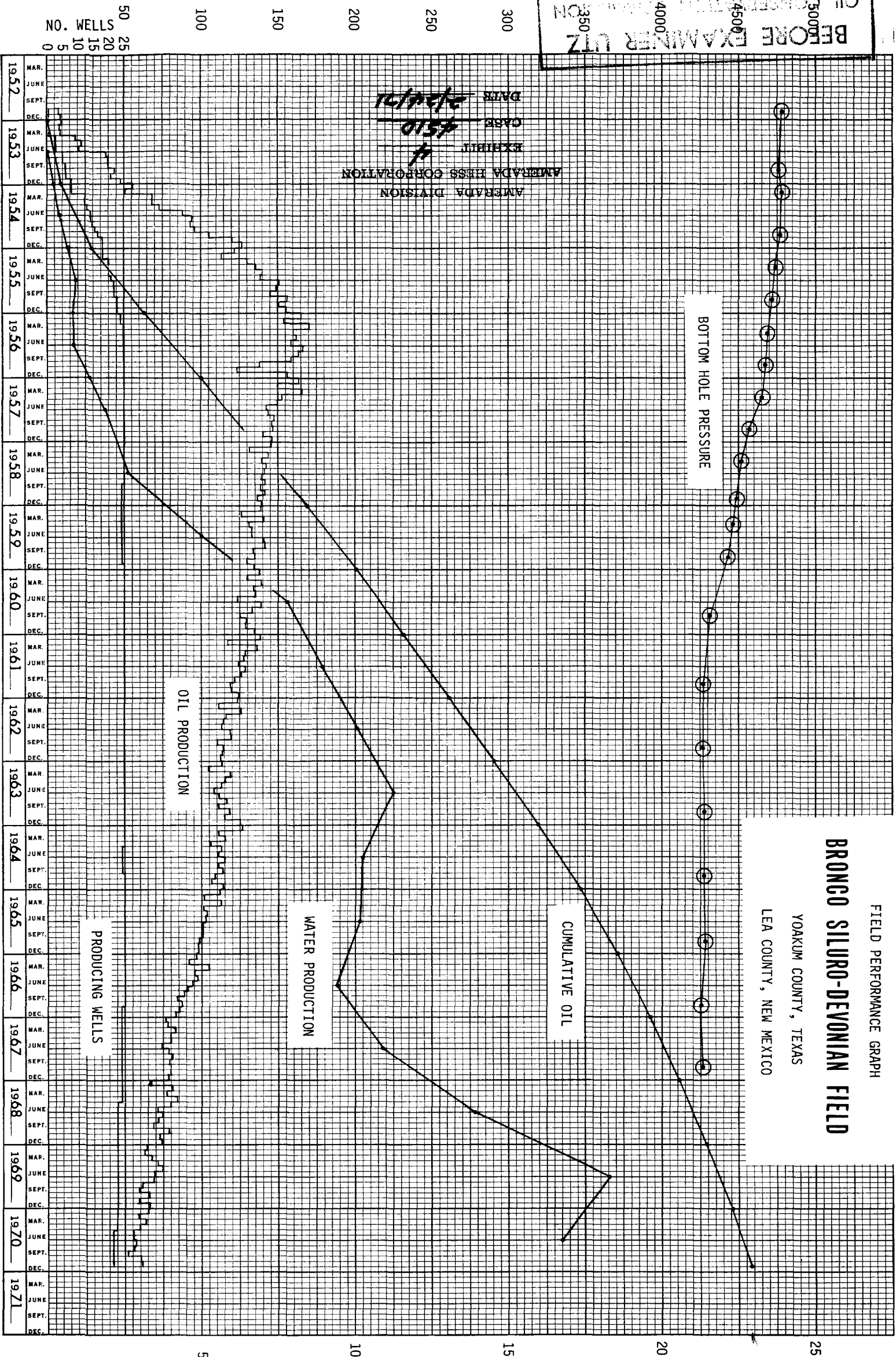
Recovery Efficiency: 51%



AMERADA DIVISION
AMERADA HESS CORPORATION
EXHIBIT 3
CASE 4510
DATE 2/24/71

BEFORE EXAMINER UTZ
OIL CONSERVATION DIVISION
CASE NO. H 510
M BBLs. 4

MONTHLY OIL AND WATER PRODUCTION



FIELD PERFORMANCE GRAPH
BRONCO SILURO-DEVONIAN FIELD
YOAKUM COUNTY, TEXAS
LEA COUNTY, NEW MEXICO

CUMULATIVE OIL PRODUCTION - MM BBLs.

**BRONCO SILURO-DEVONIAN POOL
PRESSURE-PRODUCTION DATA**

<u>Year</u>	<u>Oil</u>	<u>Water</u>	<u>Cumulative Oil</u>	<u>Percent Water</u>	<u>Average Pressure</u>	<u>Date</u>
1952	16,774	0	16,774	0%	4789	Nov. 1952
1953	341,133	10,000	357,907	3%	4769	Oct. 1953
1954	1,038,430	80,000	1,396,337	7%	4775	Feb. 1954
1955	1,691,537	211,200	3,087,874	11%	4775	Oct. 1954
1956	1,879,350	208,000	4,967,224	10%	4729	Apr. 1955
1957	1,795,211	464,000	6,762,435	20%	4725	Oct. 1955
1958	1,683,329	622,400	8,445,764	27%	4694	Apr. 1956
1959	1,616,176	1,224,000	10,061,940	43%	4675	Oct. 1956
1960	1,590,185	1,873,600	11,652,125	54%	4648	Apr. 1957
1961	1,510,038	2,139,200	13,162,163	58%	4561	Oct. 1957
1962	1,400,519	2,432,616	14,562,682	63%	4514	Apr. 1958
1963	1,370,604	2,702,258	15,933,286	66%	4479	Oct. 1958
1964	1,353,321	2,460,000	17,286,607	65%	4469	Apr. 1959
1965	1,230,660	2,435,368	18,517,267	66%	4437	Oct. 1959
1966	1,103,365	2,252,958	19,620,632	67%	4437	Oct. 1959
1967	942,526	2,626,103	20,563,158	74%	4309	Oct. 1960
1968	878,331	3,339,812	21,441,489	79%	4281	Oct. 1961
1969	798,079	4,398,839	22,239,568	85%	4264	Oct. 1962
1970 (11 mo.)	617,304	3,692,434	22,856,872	86%	4281	Oct. 1963
					4271	Oct. 1964
					4286	Oct. 1965
					4250	Oct. 1966
					4271	Oct. 1967

BEFORE EXAMINER USE

OIL CONSERVATION COMMISSION

AMERADA EXHIBIT NO. 5

CASE NO. 4510

AMERADA DIVISION
AMERADA HESS CORPORATION

EXHIBIT

CASE 4510

DATE 2/24/71

BEFORE EXAMINER USE
OIL CONSERVATION COMMISSION
Amerada Hess Corp.
CASE NO. 4510

WELL TEST DATA
BRONCO SILURO-DEVONIAN POOL
NEW MEXICO PORTION

Oil B/D Water B/D GOR SCF/BB1. Current Allowable B/D Increased Production If Allowable Calculated By Statewide Method Oil B/D Water B/D Gas MCF/D

Amerada Hess Corporation

Federal "A"	No. 2	1-12-71	60	41	177	60	No Change	2.3
Federal "B"	No. 1✓	1-20-71	268✓	1424✓	57	227✓	41	
Federal "B"	No. 2	1-21-71	155	1192	12	155	No Change	
H. D. Schenck	No. 1	1-12-71	110	69	90	110	No Change	
L. W. Ward	No. 1✓	1-6-71	297✓	195	84	250*	47	31
L. W. Ward	No. 2✓	12-20-70	337✓	0	110	250*	87	0
L. W. Ward	No. 3	1-10-71	86	570	476	86	No Change	9.6

Atlantic Richfield Company

Barnes and Golden	No. 1	#105	1379	171	105	No Change
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Texaco, Inc.

H. H. Harris	No. 2	# 56	2	97	56	No Change		
Total		1313	4872	141 MCF	1138	175	246	15.8

Determined from Proration Schedule and Production Data
* Top Allowable Increased due to Acreage Factor

AMERADA DIVISION
AMERADA HESS CORPORATION

EXHIBIT 6
CASE 4510
DATE 2/24/71



PHILLIPS PETROLEUM COMPANY

P. O. Box 791
Midland, Texas
February 18, 1971

Mr. Richard Frazier
Amerada Hess Corporation
P. O. Box 591
Midland, Texas

Dear Sir:

This is in reference to the possibility of Amerada Hess increasing production in the Bronco Field, Lea County, New Mexico, which production is currently being purchased by Phillips and gathered by Phillips Pipe Line Company.

You have indicated the possibility of increasing said production in the range of 450 barrels per day and had inquired as to Phillips' ability to purchase this additional production. This is to advise that Phillips would purchase such additional production and at the present time we have sufficient pipe line capacity to handle this increased volume. We anticipate no foreseeable limitations as to the ability of our pipe line to handle additional crude produced in this area; but, in the event pipe line capacity becomes a problem, the only alternate recourse would be pipe line proration.

If we can be of any further assistance, please advise.

Yours very truly,

O. A. Bim, Regional Mgr.
Supply Division
Supply & Transportation Dept.

OAB:pse

BEFORE	7
CIL	7
amrda	7
CASE NO.	4510

AMERADA DIVISION
AMERADA HESS CORPORATION
EXHIBIT 7
CASE 4510
DATE 2/24/71

