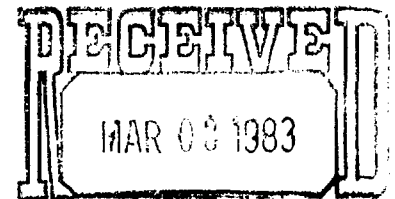


AMERADA HESS CORPORATION



OIL CONSERVATION DIVISION

P. O. DRAWING OFFICE

MONUMENT, NEW MEXICO 88265

February 25, 1983

New Mexico Oil Conservation Commission
Mr. Joe D. Ramey
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Sir:

Amerada Hess Corporation respectfully request your prompt attention for Administrative Approval to surface commingle production from the Skaggs Drinkard oil pool and the Warren Tubb oil pool from the B. M. Marcus #2. The one well lease is located in Section 20, Township 20 South, Range 38 East of Lea County, New Mexico.

Initial testing of these zones have shown that both zones are capable of initially producing at top allowable, therefore falling under Section 2-A and 2-B of "Commingling Between Pools or Zones" as stated in the "Manual for the Installation and Operation of Commingling Facilities."

From independent laboratory analysis, the API[°] gravity of the Warren Tubb oil is 37.5[°] and the API[°] gravity of the Skaggs Drinkard oil is 41.0[°]. Both oils will be classified as Intermediate-Sweet (contain <0.5 weight percent total sulphur). In laboratory experiments with several different percentages of Tubb and Drinkard oil mixtures, the commercial price of the commingled product will not be less than the sum of the two individual values. (See attachment for detailed information.)

In accordance with Section 2-B, we request approval of an installation utilizing the subtraction method in metering production. Oil gravity from both Drinkard and Tubb will be less than the required 45[°] API.

Please advise if additional information is necessary.

Thank you for your prompt attention to this matter.

Sincerely,

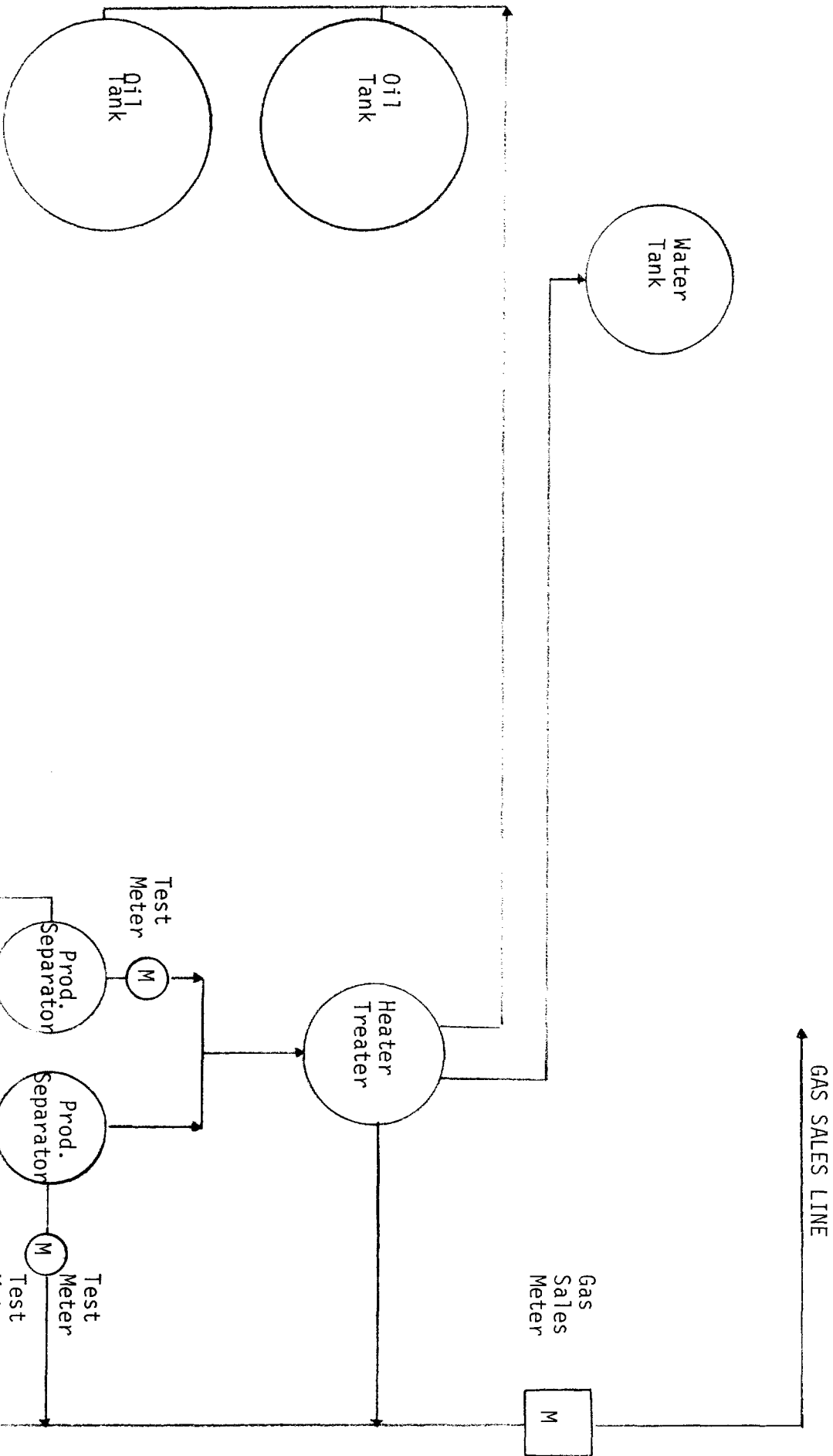
A handwritten signature in cursive script, appearing to read "Denise Gregson".

Denise Gregson

DG/dg

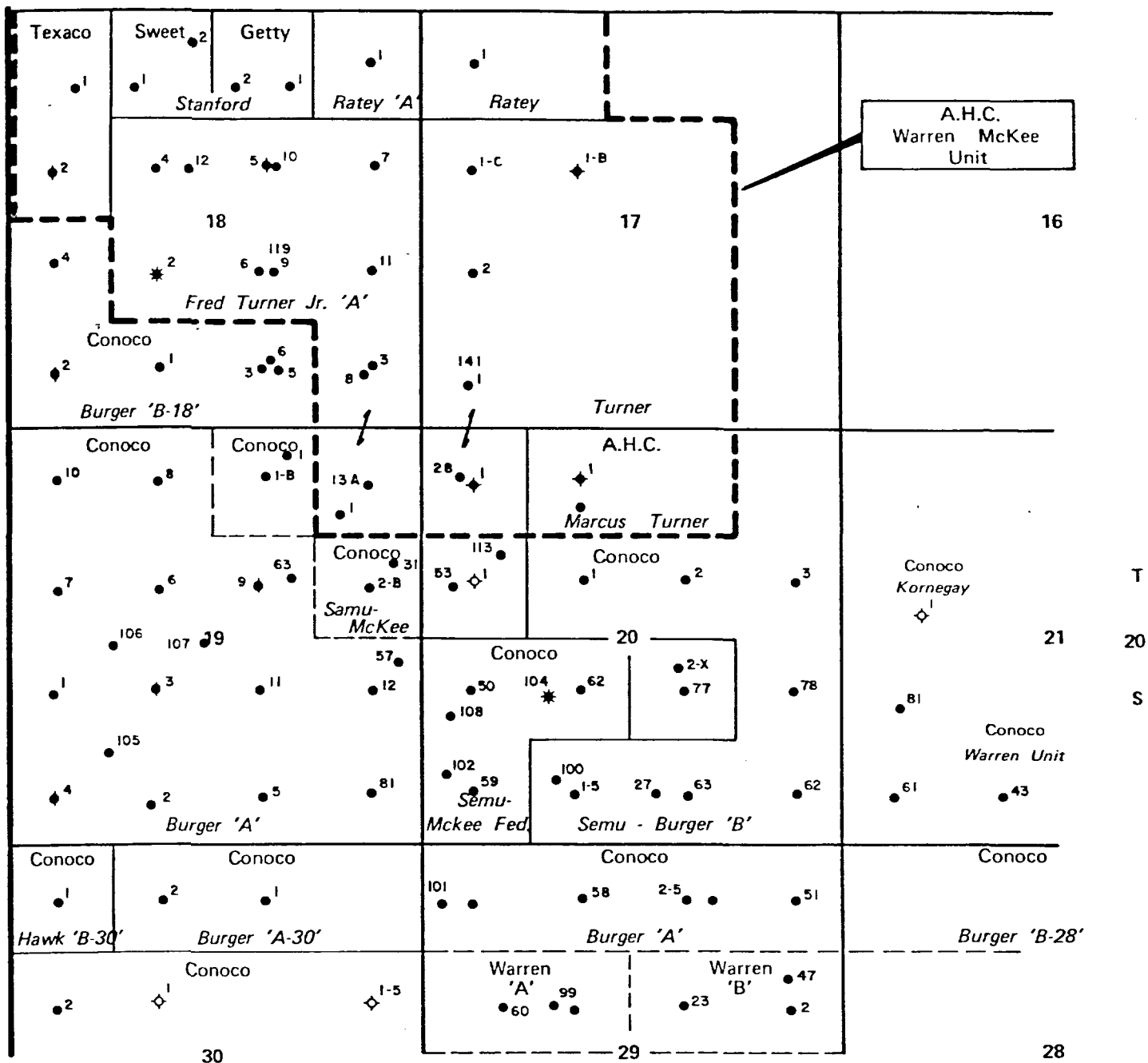
Encl: Laboratory Analysis
Plot of Lease and Well
Schematic Diagram of Proposed Battery

xc: NMOCC - Hobbs, New Mexico
Conoco, Inc. - Hobbs, New Mexico



Amerada Hess Corporation
 B. M. Marcus Battery
 Sec. 20, T-20S, R-38E
 Lea County, New Mexico

R 38 E



Location Map	LEGEND ● Oil ⊗ Gas ◇ Dry & Abn ▽ Injection	SOUTHWEST PRODUCTION REGION SKAGGS & WARREN MCKEE FIELD Lea County, New Mexico AMERADA HESS MARCUS TURNER LEASE 0 2000' 4000' Date: _____ Page No. _____ Originator: _____ Ref. No. _____
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WOLF PETRO LAB, INC.

2411 WEST 42ND STREET
DIAL 915/366-9701

P. O. BOX 9965
ODESSA, TEXAS 79762

LABORATORY REPORT

Charge Amerada Hess
Test No. WPL-83-183
Date of Run 2-24-83
Date Received 2-24-83

A Sample of Crude Oils - B.M. Mercus Lease, Well # 2
Secured from Tubbs and Drinkard Formations
At _____ Secured by Amerada Hess
Purpose _____ Time _____ Date _____
Sampling Conditions: _____

Special Analysis and Tests

1		Tubbs	Drinkard
2			
3	API GRAVITY	37.5	41.0
4	@ 60° F.		
5			
6	TOTAL SULFUR (WT. %)	.365	.311
7	X-RAY Method		
8			
9	SAYBOLT VISCOSITY (SUS)		
10	100° F.	38.0	35.3
11	160° F.	34.0	31.2
12			
13			
14	API GRAVITY OF OIL MIXTURES (TUBBS/DRINKARD) @ 60° F.		
15			
16	70/30	38.5	
17	60/40	39.1	
18	50/50	39.3	
19	40/60	39.6	
20	30/70	39.9	
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

Run by: D. H. & R. O. Checked by: David Hodgson Approved: _____

Copies
3 - Denise Gregson 1 - File
P. O. Drawer D
Monument, New Mexico
88265

T
20
S

9

16

21

19

20

30

WARREN-YESO

Lea Co. N.M



B. M. Marcus #2 - 1980' FWL, 990' FNL, Section 20,
Township 20S, Range 38E, Lea County, New Mexico

