



OIL CONSERVATION DIVISION  
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N/R PC

September 17, 1993

State of New Mexico  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. William J. LeMay

RE: AMENDMENT TO SURFACE COMMINGLING ORDER PC-789  
Texaco Exploration & Production Inc.  
B. F. Harrison B Lease  
N. Teague Ellenburger, N. Teague Fusselman & Northwest  
Teague Devonian Pools  
Lea County, New Mexico

Gentlemen:

Texaco Exploration & Production Inc. respectfully request an amendment to surface commingling Order PC-789 which authorized the commingling of North Teague Ellenburger and North Teague Fusselman Pool production. A recent workover on the B. F. Harrison B No. 3 resulted in a successful completion into the Devonian formation that is capable of producing at the top allowable rate of 187 bopd. It is anticipated that the new completion will be designated into the Northwest Teague Devonian Pool. It is proposed to separately meter production from the Northwest Teague Devonian Pool prior to surface commingling into the existing production facility on this lease.

The Ellenburger, Fusselman and Devonian production will be metered separately prior to surface commingling by utilizing separate headers and three phase separators. Individual wells will be tested monthly through a three phase test separator. Total monthly production will be allocated to each well by the subtraction method. The oil and water from both the production and test separators will be metered by a non-reset positive displacement (Mock) meter with a sealable counter and registering mechanism. A storage tank will be used to prove the accuracy of these meters. The gas from each three phase separator will be metered by a gas turbine meter with a totalizer (Halliburton MCII) recording rate and cumulative volume before entering the gas sales line. Monthly records of beginning and ending meter readings with explanations for any meter malfunction and bad oil recycling shall be kept available for inspection.

Mr. William J. LeMay

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September 15, 1993

Texaco owns a 100% working interest in all three zones on the lease. A common royalty of 12.5% applies to the three zones on this Fee lease. Plats are attached that show the location and producing zone for each well which will be surface commingled on the subject lease and for the proposed lease production facility.

Very Truly Yours,

*T. L. Frazier/RSP*

T. L. Frazier  
Hobbs Area Manager

DAD/s

Attachments

cc: Hobbs NMOCD  
Attn: Jerry Sexton

SURFACE COMMINGLING PERMIT

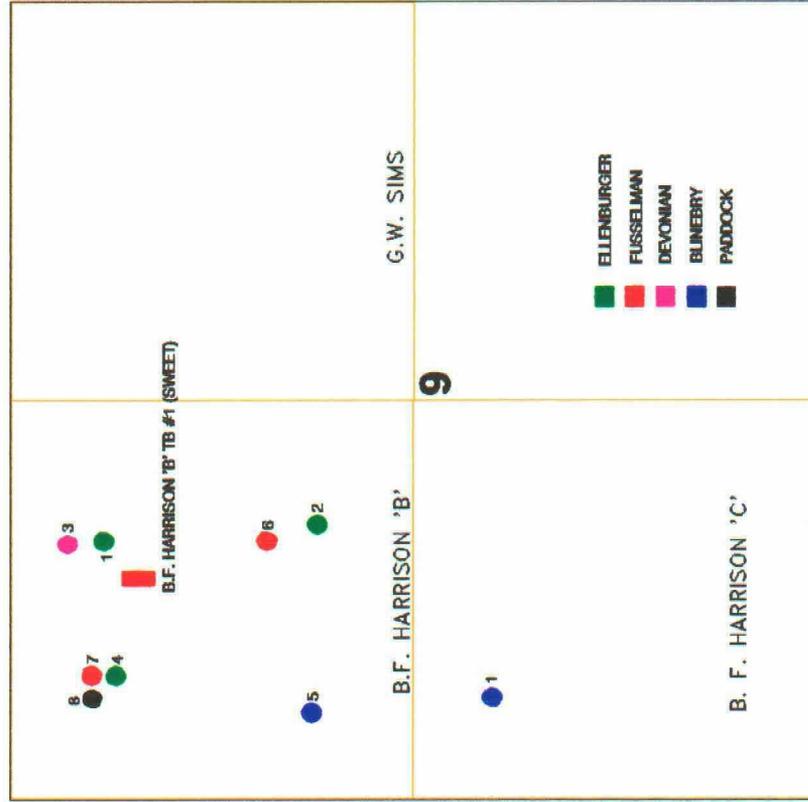
B. F. HARRISON B LEASE

LEA COUNTY, NEW MEXICO

<u>Pool</u>	<u>Number of wells</u>	<u>API Gravity</u>	<u>Avg Prod. Bopd</u>	<u>Price \$/bbl</u>
Ellenburger	3	48.3	750	14.75
Fusselman	3	46.1	550	15.09
Devonian	1	43.2	187	15.25
Commingled Totals/Averages:		46.8	1487	14.98

Estimated daily sales **before** commingling: **\$22,214**  
Estimated daily sales **after** commingling: **\$22,275**

**B.F. HARRISON 'B' LEASE  
SECTION 9, T-23S, R-37E  
LEA COUNTY, NEW MEXICO**



**B. F. HARRISON B LEASE  
TANK BATTERY  
SEC. 9, T-23S, R-37E  
LEA COUNTY, NEW MEXICO**

