

|                |                  |             |              |          |
|----------------|------------------|-------------|--------------|----------|
| DATE IN 2/1/99 | SUSPENSE 2/22/99 | ENGINEER BS | LOGGED BY KN | TYPE PLC |
|----------------|------------------|-------------|--------------|----------|

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

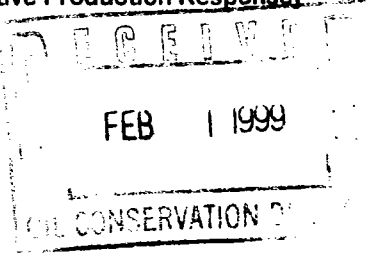
Check One Only for [B] and [C]

✓ [B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☒ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Ann E. Ritchie  
 Print or Type Name

Signature

Regulatory Agent  
 Title

1-28-99  
 Date

January 21, 1999

New Mexico Oil Conservation Division  
Department of Energy and Minerals  
State of New Mexico  
2040 South Pacheco  
Santa Fe, NM 87501

Att: David Catanach, Engineering Unit

RE: Conoco, Inc., Britt B, Well #21, SE Monument Abo Gas Pool, Surface  
Commingling, Section 10, T20S, R37E, Unit Letter J, Lea County, New Mexico

Dear Mr. Catanach,

Conoco, Inc. has filed an application to re-complete their Britt B, Well #21 from the Monument Tubb and Weir Blinbry commingled zones to the SE Monument Abo Gas Pool. We are requesting administrative approval under the provisions of rule 303-B to send the crude oil production (if incurred) to the existing Britt B tank battery. Please see enclosed a copy of the Britt B tank battery diagram; it is located in Unit Letter E, Section 15, T20S, R37E.

Ownership and working interest for all zones is common; the "Justification" attached give the anticipated production from the re-completion. The condensate from the SE Monument Abo Gas pool is sweet and has a gravity of 34.5 API degrees. The gas has a BTU content of 1055 and will metered separately. The gravity at the Britt B battery is sour crude deemed @ 34.5 API. Commingling of the production will not reduce the commercial value of the oil. Anticipated crude oil is minimal. Please let us know if you have any questions concerning this proposal. You can contact me @ 1-800-432-2967 or Tim Schneider/Conoco @ 915 686-6180. Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent  
Conoco, Inc.  
10 Desta Dr., Suite 100W  
Midland, Texas 79705-4500

attachments

cc: Bill Keathly-Conoco/Midland

**Britt B No. 21  
Deepening To The Abo Formation**

**JUSTIFICATION**

Summary:

Funds in the amount of 140 M\$ gross (35.0 M\$ Conoco net) are requested to squeeze off existing perforations (Blinebry ,Tubb,Drinkard) and deepening the well to the Abo formation. The well has 5 ½" casing. Reserves from the Abo are estimated at 500 MMCFG and 1 MBO. Presently, the well is commingled and producing 4 MCFPD from the Blinebry and Tubb formation. The well is located in J in 10-20S-37E, 1880' FSL & 1980' FEL, Lea County, New Mexico.

Justification:

The objective of the proposal is to deepen the well 525' (TD=7300') to the Abo formation and run a liner. This well is offset to the northeast and southwest by commercial Abo production. South of the Britt B No. 21 is the Conoco operated Britt B No. 27 well. This well was drilled in 1980 and IP'd for 1.68 MMCFPD and has cumulative production of 5.3 BCF and 133 MBO. The well currently produces 680 MCFPD and 1 BOPD from a 10' porosity stringer located 100' below the top of the Abo formation. Southeast of the Britt B No. 21 are five wells operated by Texaco producing Abo wells on the Weir and Kershaw leases.

The Phillips EHB "C" No. 2 was drilled by Texaco in March 1998 is located in H in 10-20S-37E. This well IP'd for 1.0 MMCFPD and has cumulative production through August 1998 of 56 MMCF. Currently, the well is producing 325 MCF and the EUR assigned is 758 MMCF. Structurally, the Britt B No. 21 is the projected to be about 10' low to the Phillips EHB "C" No.2.

Attachments:

Log Sections - Phillips EHB "C" No.2, Britt B No. 21  
EUR Forecast – Phillips EHB "C" No. 2  
Abo - Structure Map  
Production Forecast

Economics:

Based on a first year production rate of 475 MCFPD and 1 BOPD, the NPV is 121 M\$ ATAX and the PI is 3.4.

**Britt B No. 21  
Deepening To The Abo Formation**

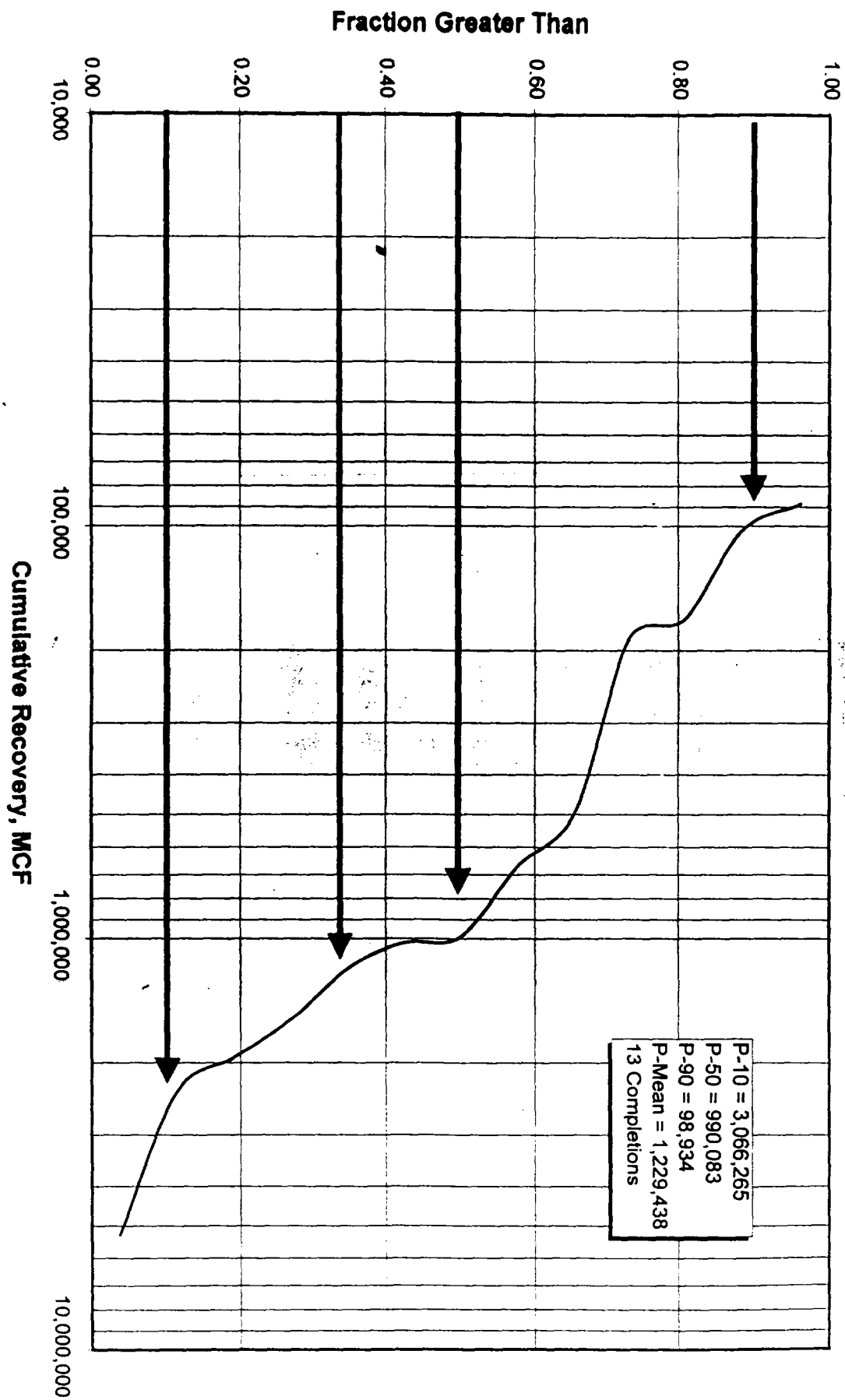
**COST ESTIMATE**

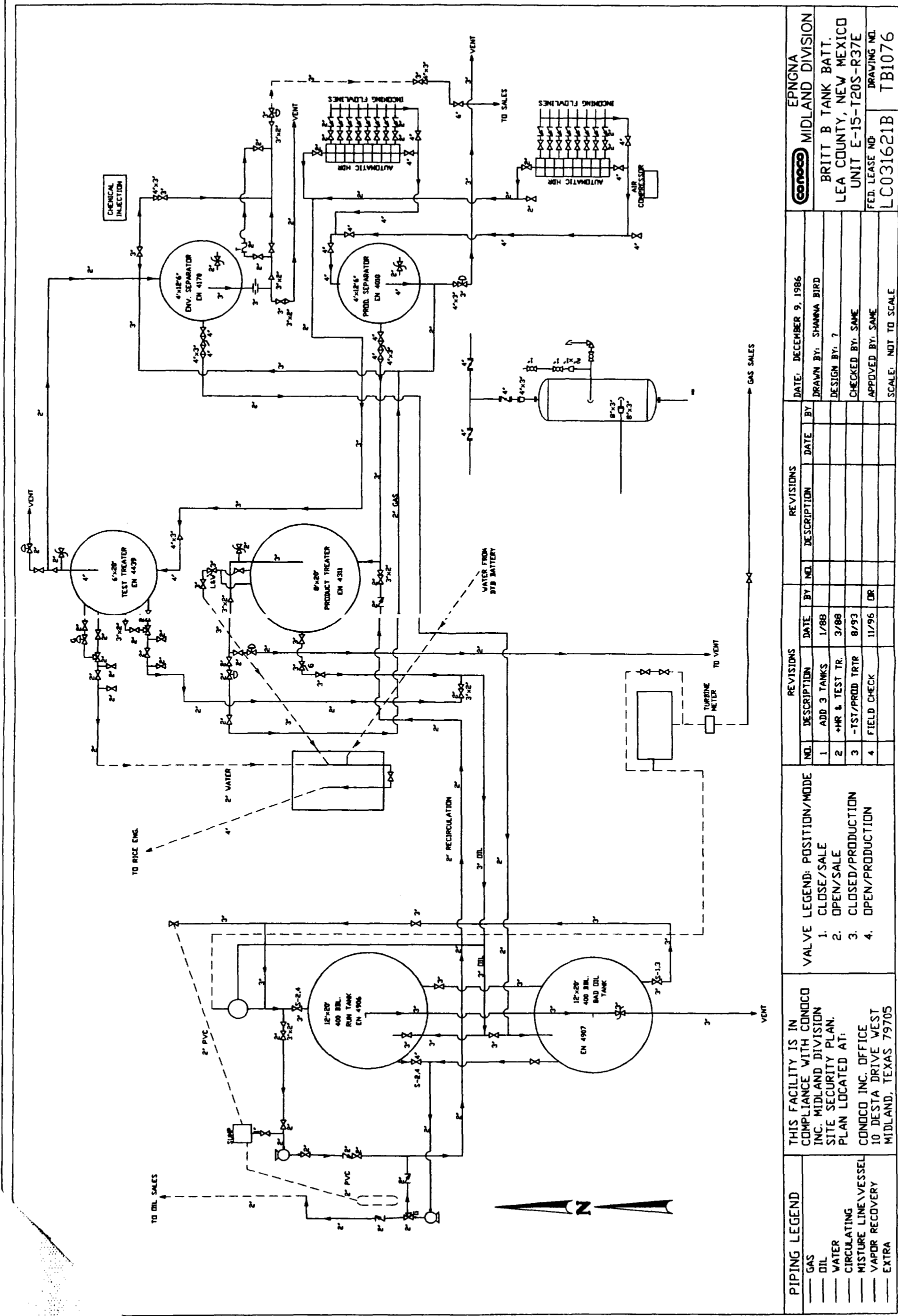
| <u>Feature No.</u> | <u>Description</u>                                    | <u>Costs</u> |
|--------------------|---|--------------|
| 009                | Controllable Materials                                | \$20,000     |
| 118                | Miscellaneous Fittings & connections                  | \$3,500      |
| 403                | Fuel & Water  | \$2,000      |
| 412                | Rig Time (10 days)                                    | \$27,000     |
| 413                | Bits & Reamers  | \$7,000      |
| 414                | Fishing Tool Expense                                  |              |
| 417                | Cementing   | \$17,500     |
| 418                | Non Controllable Materials                            | \$11,000     |
| 419                | Rentals (Handling Tools, Workstring, Downhole Equip.) | \$15,000     |
| 427                | Perforating   | \$3,500      |
| 428                | Fracture Stimulation                                  | \$           |
| 428                | Acidizing   | \$6,000      |
| 429                | Logging   | \$13,500     |
| 431                | Transportation  | \$1,500      |
| 438                | Company Labor   | \$1,000      |
| 439                | Contract Labor  | \$2,000      |
| 445                | Miscellaneous   | \$9,500      |

Total

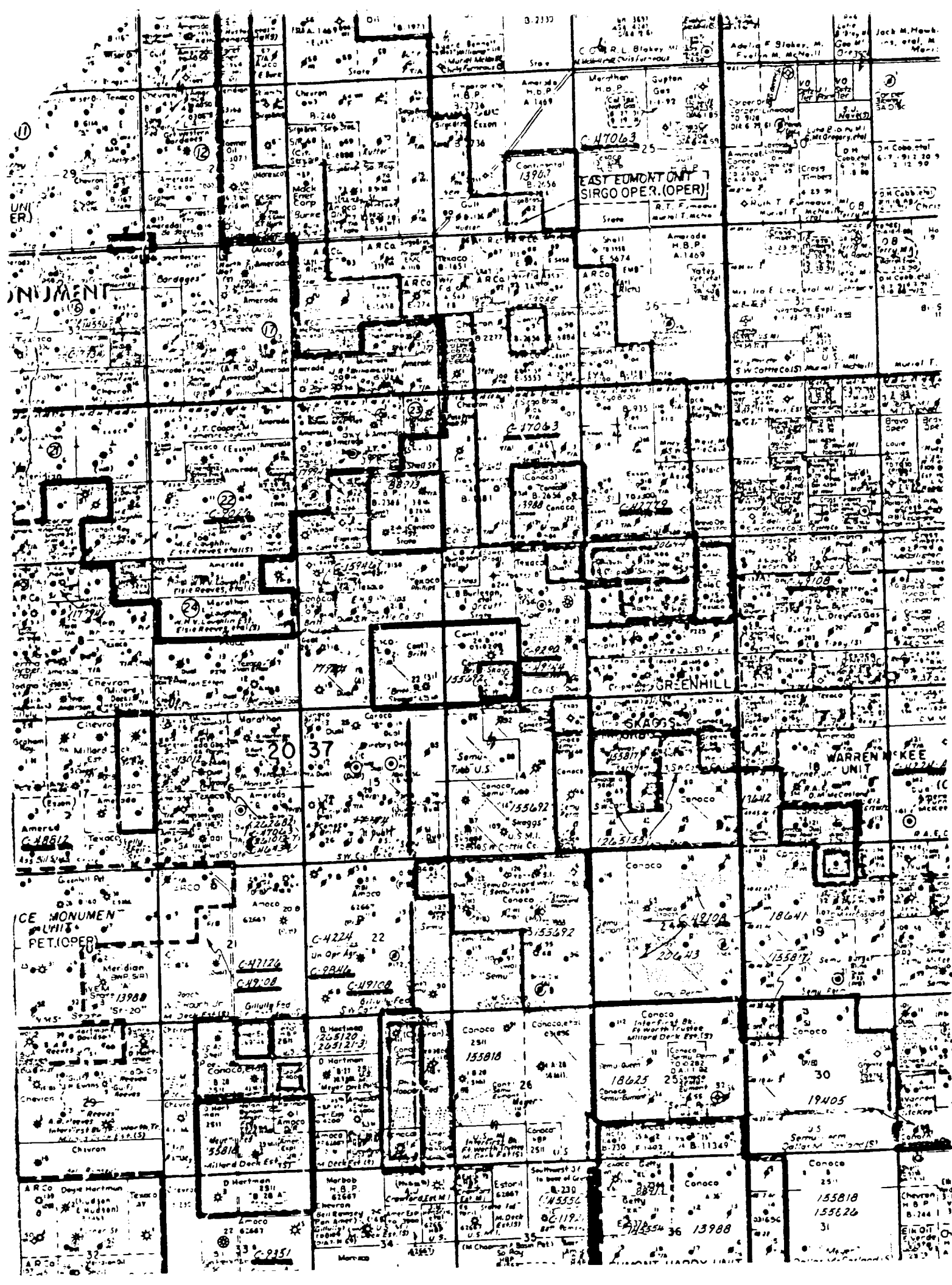
\$140,000

# **Abjo Recovery For Gas Wells T-20S, R-36..38E**





|               |  |  |  |           |             |      |    |     |             |      |    |           |             |      |    |  |  |  |  |                        |  |        |                  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| PIPING LEGEND |  | THIS FACILITY IS IN COMPLIANCE WITH CONOCO INC. MIDLAND DIVISION SITE SECURITY PLAN. PLAN LOCATED AT:<br><br>CONOCO INC. OFFICE<br>10 DESTA DRIVE WEST<br>MIDLAND, TEXAS 79705 | VALVE LEGEND: POSITION/MODE<br><br>1. CLOSE/SALE<br>2. OPEN/SALE<br>3. CLOSED/PRODUCTION<br>4. OPEN/PRODUCTION | REVISIONS |             |      |    |     |             |      |    | REVISIONS |             |      |    |  |  |  |  | DATE: DECEMBER 9, 1986 |  | CONOCO | MIDLAND DIVISION | EPNGNA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|               |  |  |  | NO.       | DESCRIPTION | DATE | BY | NO. | DESCRIPTION | DATE | BY | NO.       | DESCRIPTION | DATE | BY |  |  |  |  |                        |  |        |                  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| DATE IN 3/12/99 | SUSPENSE N/R | ENGINEER BS | LOGGED BY RW | TYPE PC |
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☒ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Ann E. Ritchie  
Print or Type Name

Signature

Title

Regulatory Agent

Date

3-9-99

March 9, 1999

New Mexico Oil Conservation Division  
Department of Energy and Minerals  
State of New Mexico  
2040 South Pacheco  
Santa Fe, NM 87501

Att: Mark Ashley, Engineering Unit

RE: **Conoco, Inc.**, Britt B, Well #27, SE Monument Abo Gas Pool, Surface  
Commingling, Section 15, T20S, R37E, Lea County, New Mexico

Dear Mark,

Conoco, Inc. has previously filed applications to commingle the anticipated condensate production from the SE Monument Abo Gas Pool from recompletion on their Britt B, Wells #12 and 21. Conoco's initial producer in this pool was from the Britt B, Well #27. We are requesting permission to transfer the fluids, as described in the attached justification, from Well #27 to the existing Britt B battery. Please see enclosed a copy of the Britt B tank battery diagram and land plat.

Ownership and working interest for all zones is common; the "Justification" attached gives the current production. Please let us know if you have any questions concerning this request. Under a separate letter and request we have submitted the lease boundaries and listing of the wells in the Britt B lease; we are requesting that the surface commingling order, if approved, be applied to all Britt B wells currently or anticipated to be completed in the SE Monument Abo Gas Pool. Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent  
(915) 684-6381/1-800-432-2967  
**Conoco, Inc.**  
10 Desta Dr., Suite 100W  
Midland, TX 79705-4500

attachments

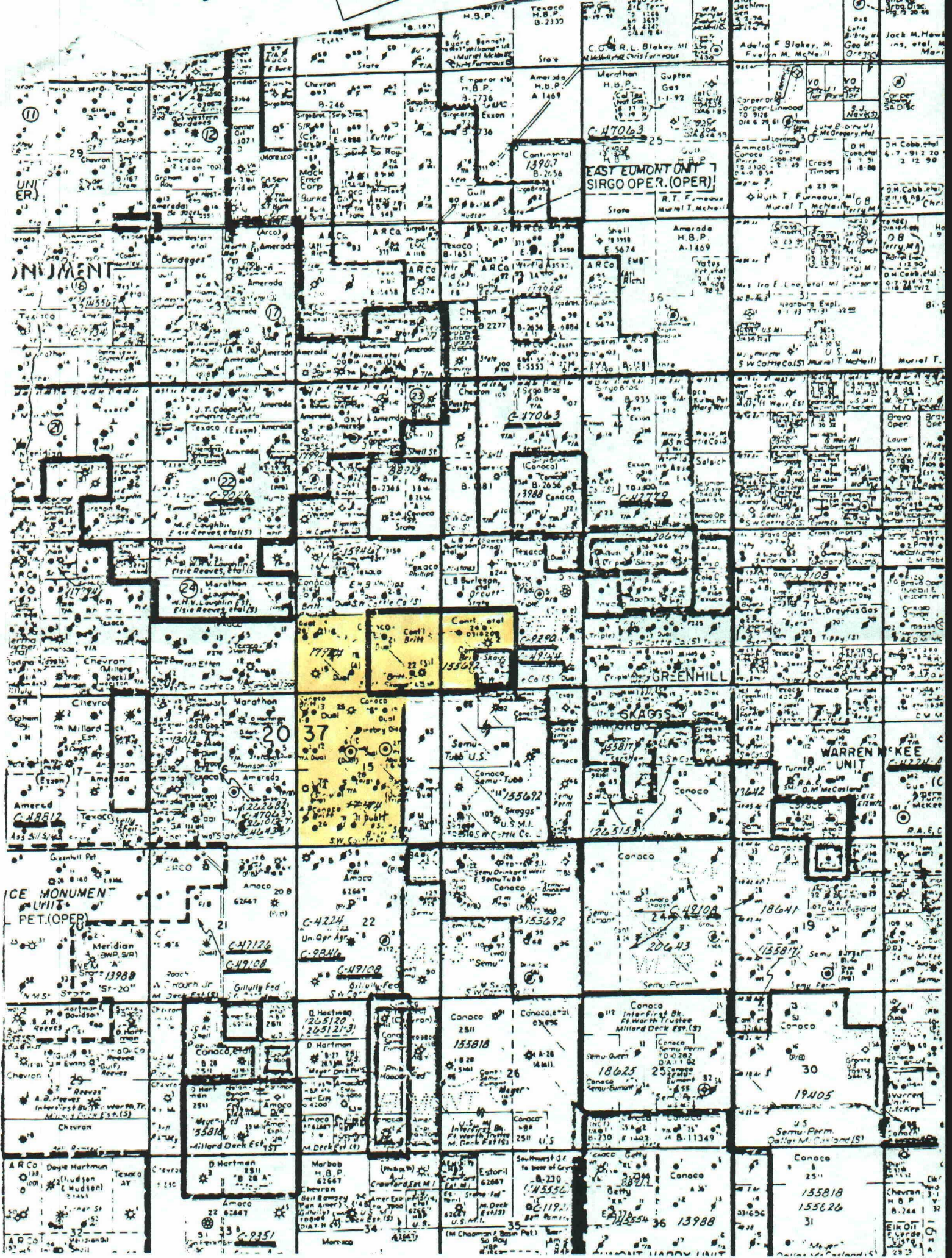
cc: Bill Keathly-Conoco/Midland

## Britt B, Well # 27 Surface Commingling Justification

Conoco, Inc. is seeking permission to surface commingle production from our Britt B, Well #27 which was drilled in 1980 and had an initial potential of 1.68 MMCFPD and has cumulative production of 5.3 BCF and 133 MBO. The well currently produces 680 MCFPD and 1 BOPD from a 10' porosity stringer located 100' below the top of the Abo formation. The condensate from the SE Monument Abo Gas pool is sweet and has a gravity of 34.5 API. The gas has a BTU content of 1055 and will continue to be metered separately. The battery utilized for Well #127 was constructed for this Abo completion only. We propose to discontinue use of this battery to decrease the operating costs for the Britt B producing area. The gravity at the Britt B battery is sour crude @ 34.5 API. Commingling of the production will not reduce the commercial value of the oil.









March 9, 1999

New Mexico Oil Conservation Division  
Department of Energy and Minerals  
State of New Mexico  
2040 South Pacheco  
Santa Fe, NM 87501

Att: Mark Ashley, Engineering Unit

RE: **Conoco, Inc.**, Britt B Lease, Sections 15, 10 & 11, T20S, R37E, Lea County, NM

Dear Mark,

Please see enclosed the plat outline and ownership plat locating the Britt B lease. The Britt B 24 is the only well in Section 11 which is included in the Britt B lease. We are submitting this lease plat in conjunction with the surface commingling applications we have submitted on our Britt B, Well #12, 21 & 27 which either produce or are to be recompleted in the SE Monument Abo Gas Pool. We are requesting that the Commingling Order Number assigned to the surface commingling of this pool with the existing Blinbry/Tubb, Britt B battery located in Section 15, T20S, R37E be assigned to each well completed/recompleted in the Abo gas pool.

Please let me know if you need any further documentation or information concerning this request. Thank you very much for your assistance with the surface commingling applications.

Yours truly,



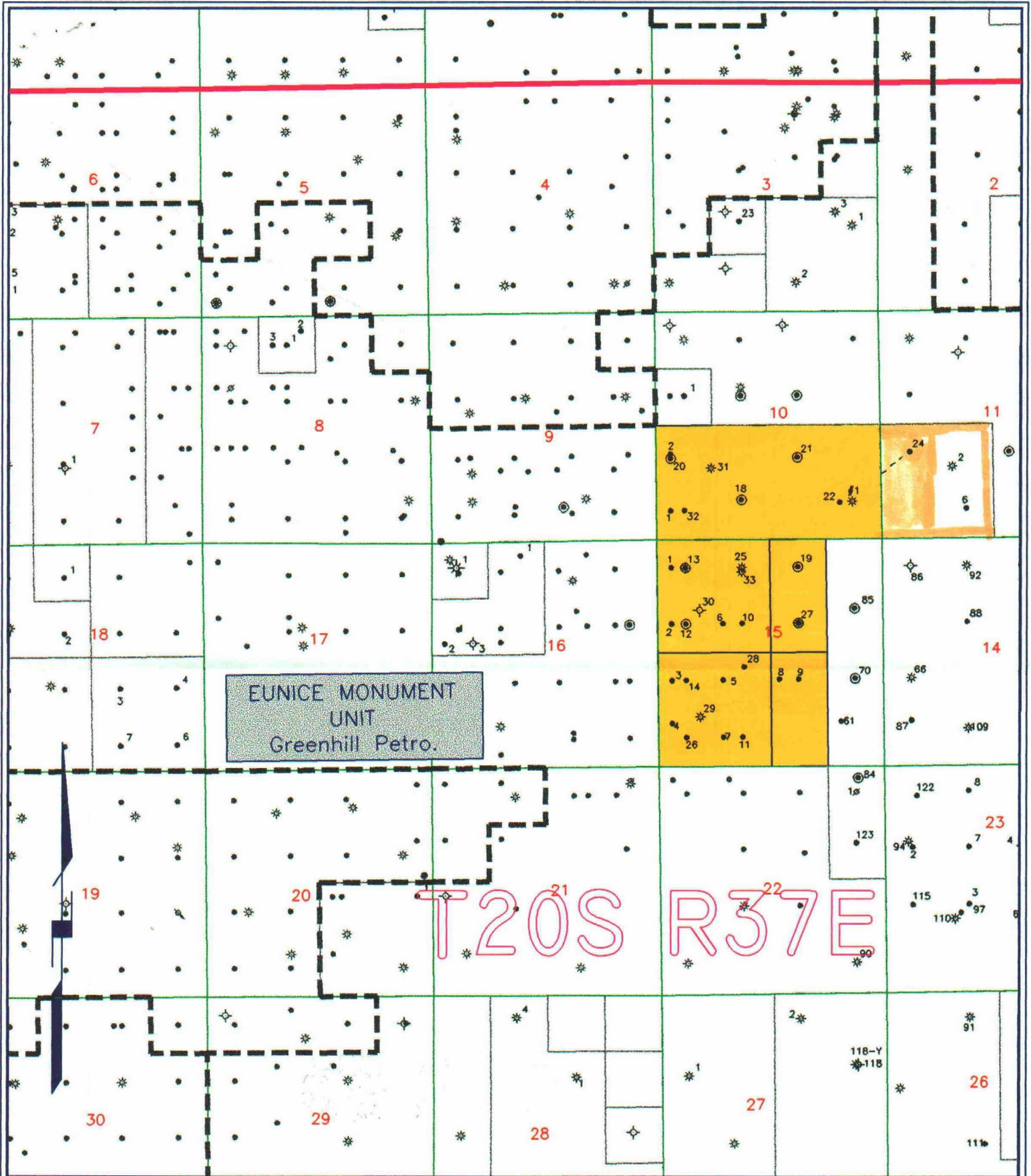
Ann E. Ritchie, Regulatory Agent  
(915) 684-6381/1-800-432-2967  
**Conoco, Inc.**  
10 Desta Dr., Suite 100W  
Midland, TX 79705-4500

attachment

cc: Bill Keathly/Conoco-Midland

Conoco, Inc.  
Britt B Lease  
Sections 10 & 15, T20S, R37E  
Lea County, New Mexico

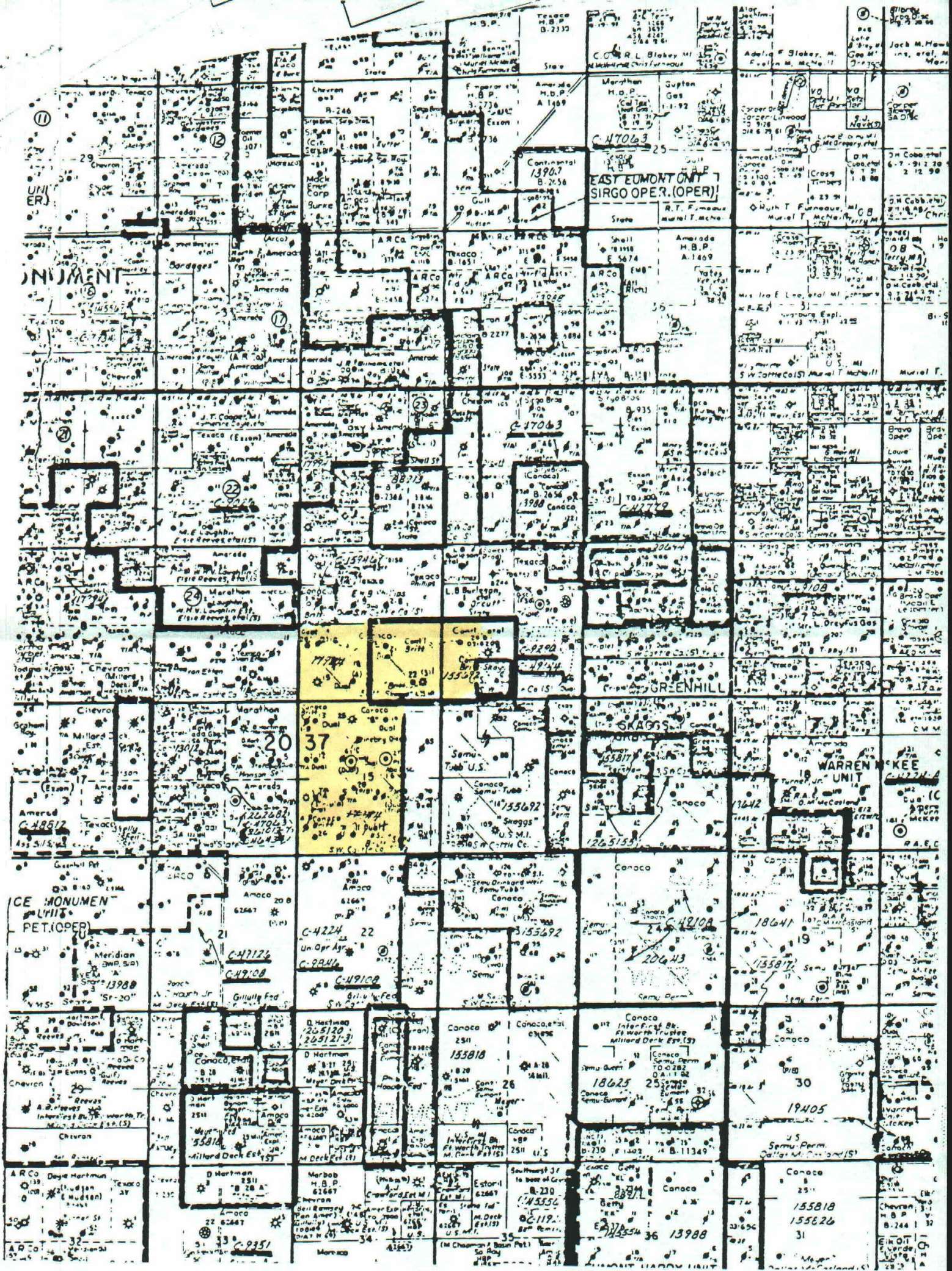
| Lease   | Well   | API#         |
|---------|--------|--------------|
| Britt B | 2      | 30 025 09896 |
| Britt B | 3 GAS  | 30 025 06102 |
| Britt B | 5      | 30 025 01604 |
| Britt B | 8      | 30 025 06107 |
| Britt B | 9      | 30 025 06108 |
| Britt B | 10     | 30 025 06109 |
| Britt B | 11     | 30 025 06110 |
| Britt B | 12     | 30 025 06111 |
| Britt B | 13     | 30 025 06112 |
| Britt B | 14     | 30 025 06113 |
| Britt B | 15 GAS | 30 025 06051 |
| Britt B | 18     | 30 025 20090 |
| Britt B | 19     | 30 025 20112 |
| Britt B | 20     | 30 025 20299 |
| Britt B | 21     | 30 025 20649 |
| Britt B | 22     | 30 025 21064 |
| Britt B | 24     | 30 025 21223 |
| Britt B | 25 GAS | 30 025 24956 |
| Britt B | 26     | 30 025 26486 |
| Britt B | 27     | 30 025 26941 |
| Britt B | 28     | 30 025 30470 |
| Britt B | 29 GAS | 30 025 32587 |
| Britt B | 31     | 30 025 32639 |
| Britt B | 32     | 30 025 33906 |
| Britt B | 33     | 30 025 33907 |
| Britt B | 34     | 30 025 34444 |



BRITT "B" LEASE

|                              |                  |   |                                   |
|------------------------------|------------------|---|-----------------------------------|
| SCALE<br>1" = 2000'          | LEASE:<br>#17994 | BRITT "B"<br>LEASE  | conoco EPNGNA<br>MIDLAND DIVISION |
| DRAWING<br>LES-0900          | STATE<br>30      | API<br>COUNTY<br>025  | WELL<br>-                         |
| SEC. 10 & 15, T-20-S, R-37-E |                  | CONOCO INC. OFFICE<br>10 DESTA DRIVE WEST<br>MIDLAND, TEXAS 79705 |                                   |
| LEA COUNTY<br>NEW MEXICO     |                  |   |                                   |





EAST EDMONT UNIT  
SIRGO OPER. (OPER)

GREENHILL

WARREN KEE UNIT

CE MONUMEN  
PET. (OPER)

C-4224 22  
Un Apr Agr  
C-9946

2464210A  
20643

18641  
155872

C-49108  
Gully Fed

18625 25  
Semi Perm

19405  
Semi Perm

D Hartman  
2511  
2511

155818  
2511

155818  
155826

Marbab  
2511  
2511

155556  
2511

155818  
155826

2511  
2511

155556  
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155818  
155826

2511  
2511

155556  
2511

155818  
155826



April 15, 1999

New Mexico Oil Conservation Division  
Department of Energy and Minerals  
State of New Mexico  
2040 South Pacheco  
Santa Fe, NM 87501

Att: Mark Ashley, Engineering Unit

RE: **Conoco, Inc.**, Britt B Lease, Sections 15, 10, & 11, T20S, R37E, Lea County, NM

Dear Mark,

Concerning the above referenced lease, we submitted a request on March 9, 1999 to permit the Britt B lease for surface commingling to include the SE Monument Abo Gas Pool. In reviewing prior permits to determine which pools are currently permitted to be surface commingled on this lease, I found that the following pools have been permitted:

|                                   |                     |
|-----------------------------------|---------------------|
| · Eunice-Monument (G-SA)          | · Monument Tubb     |
| · Eumont Yates Seven Rivers Queen | · Monument Drinkard |
| · Weir-Blinebry                   | · Monument Paddock  |
| · Weir Drinkard                   |                     |

These pools cover all of the current producing pools on the Britt B lease. The only pool that I cannot find a filing on is the Cass (Penn) for Well #9 which is shut-in and Conoco does not anticipate production from this pool. It looks like all the producing pools are covered – let me know what you would like for me to do about the Cass (Penn).

Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent  
**Conoco, Inc.**  
c/o P.O. Box 953  
Midland, TX 79702

March 25, 1999

Mark Ashley  
Oil Conservation Division  
Santa Fe, NM

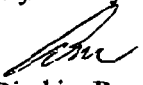
RE: Conoco, Inc., Britt B Lease, Lea County, NM: Surface Commingling

Dear Mark,

Please see faxed below the listing by well which includes the pools each well is currently producing from - in a number of wells either one or more of the previously downhole commingled zones have been abandoned. This listing was updated by verification with the Ponca City Conoco office that reports to the OCD and MMS.

I have left a message for the engineer to verify that all wells which are recompleted in the SE Monument Abo Gas pool will be metered separately - in the event that these wells are also downhole commingled with another zone then the downhole commingling order would specify percentages to be allocated for each zone. I will let you know as soon as possible when I hear from the engineer - I am going to ask for a summary statement for production accounting from an engineering standpoint.

Thank you very much for your help,

  
Ann Ritchie, Regulatory Agent  
Conoco, Inc.  
1-800-432-2967

cc: Reesa Wilkes-Conoco/Midland

*Ann Ritchie - Conoco UG.*

Conoco, Inc.  
 Britt B Lease  
 Sections 10 & 15, T20S, R37E  
 Lea County, New Mexico

| Lease   | Well              | API#         | Description                                     |
|---------|-------------------|--------------|---|
| Britt B | 2 (all zones A-A) | 30 025 09896 | Eunice Monument (G-SA) (A-A all zones)          |
| Britt B | 3 shut-in         | 30 025 06102 | Eumont Yates 7 Rurs Qn (Pro Gas)                |
| Britt B | 5 shut-in         | 30 025 01604 | Eunice Monument (G-SA)                          |
| Britt B | 8 abandoned       | 30 025 06107 | Eunice Monument (G-SA) & Eumont Yates 7 Rurs Qn |
| Britt B | 9 (shut-in)       | 30 025 06108 | Cass (Penn) (A-A-Abo)                           |
| Britt B | 10 (shut-in)      | 30 025 06109 | P-A all zones                                   |
| Britt B | 11                | 30 025 06110 | Monument Tubb                                   |
| Britt B | 12 OK?            | 30 025 06111 | Monument Tubb & Weir Blinebry                   |
| Britt B | 13                | 30 025 06112 | Monument Paddock                                |
| Britt B | 14 (shut-in)      | 30 025 06113 | Monument Paddock                                |
| Britt B | 15                | 30 025 06051 | Eumont Yates 7 Rurs Qn (Pro Gas)                |
| Britt B | 18 OK?            | 30 025 20090 | Monument Tubb & Weir Blinebry                   |
| Britt B | 19 OK?            | 30 025 20112 | Monument Tubb & Weir Blinebry                   |
| Britt B | 20                | 30 025 20299 | Monument Tubb & Weir Blinebry                   |
| Britt B | 21 OK?            | 30 025 20649 | Monument Tubb & Weir Blinebry                   |
| Britt B | 22                | 30 025 21064 | Monument Tubb & Weir Blinebry                   |
| Britt B | 24 shut-in        | 30 025 21223 | Monument Tubb & Weir Blinebry                   |
| Britt B | 25                | 30 025 24956 | Eumont Yates 7 Rurs Qn (Pro Gas)                |
| Britt B | 26 OK?            | 30 025 26486 | Tubb & Paddock                                  |
| Britt B | 27                | 30 025 26941 | Abo (SE Monument Gas)                           |
| Britt B | 28                | 30 025 30470 | Monument Tubb                                   |
| Britt B | 29                | 30 025 32587 | Eumont Yates 7 Rurs Qn (Pro Gas)                |
| Britt B | 31                | 30 025 32639 | Eumont Yates 7 Rurs Qn (Pro Gas)                |
| Britt B | 32                | 30 025 33906 | Weir Drinkard                                   |
| Britt B | 33                | 30 025 33907 | Eunice Monument (G-SA)                          |
| Britt B | 34                | 30 025 34444 | Monument Paddock                                |

10-15

DATE

10-15

MONUMENT - PADDOCK

MONUMENT - ABO

WEIR - DRINKARD

LAST WEIR DRINKARD

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

EUMONT YATES 7 RURS QN (PRO GAS)

Fax to Mark Ashley 3-25-99