

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
811 S. First St., Artesia, NM 88210-2835
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Cross Timbers Operating Company 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401
Operator Address

Schwerdtfeger A LS #14 Unit N Sec 8 T27N R08W San Juan, NM
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 167067 Property Code 022635 API NO. 30-045-06601 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Well Name	S Blanco Pictured Cliffs /2439		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	2858' -2916' (perf'd)		5154' -5272' (perf'd)
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 226 psia (calc) b. (Original) 818 psia (calc)	a. b.	a. 350 psia (calc) b. 1054 psia (calc)
6. Oil Gravity (^o API) or Gas BTU Content)	1149 btu		1236 btu
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: Date: 3-12-99 Rates: 0 bwpd, 28 mcfpd, 0 bopd	Date: Rates: Date: Rates:	Date: Rates: Date: 3-12-99 Rates: 0 bwpd, 16 mcfpd, 0 bopd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 58 %	Oil: % Gas: %	Oil: 100 % Gas: 42 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) _____

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jeffery W. Patton TITLE Production Engineer DATE 3-12-99

TYPE OR PRINT NAME Jeffery W. Patton TELEPHONE NO. (505) 324-1090

Well Location and Acreage Dedication Plat

Section A.

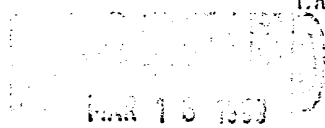
Date **JANUARY 31, 1958**

Operator **EL PASO NATURAL GAS COMPANY** Lease **SCHWERTFEGER** SF **079319**
 Well No. **14A (PM)** Unit Letter **N** Section **8** Township **27N** Range **8W** NMPM
 Located **990** Feet From **SOUTH** Line **1750** Feet From **WEST** Line
 County **SAN JUAN** G. L. Elevation **6738** Dedicated Acreage **320 & 160** Acres
 Name of Producing Formation **MESA VERDE & PICTURED CLIFF** Pool **BLANCO SET. MV-SO. BLANCO PC.**

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



RECEIVED

FEB 4 1958
 U. S. GEOLOGICAL SURV.
 FARMINGTON, NEW MEX.

OIL CON. DIV.
 DIST. 3

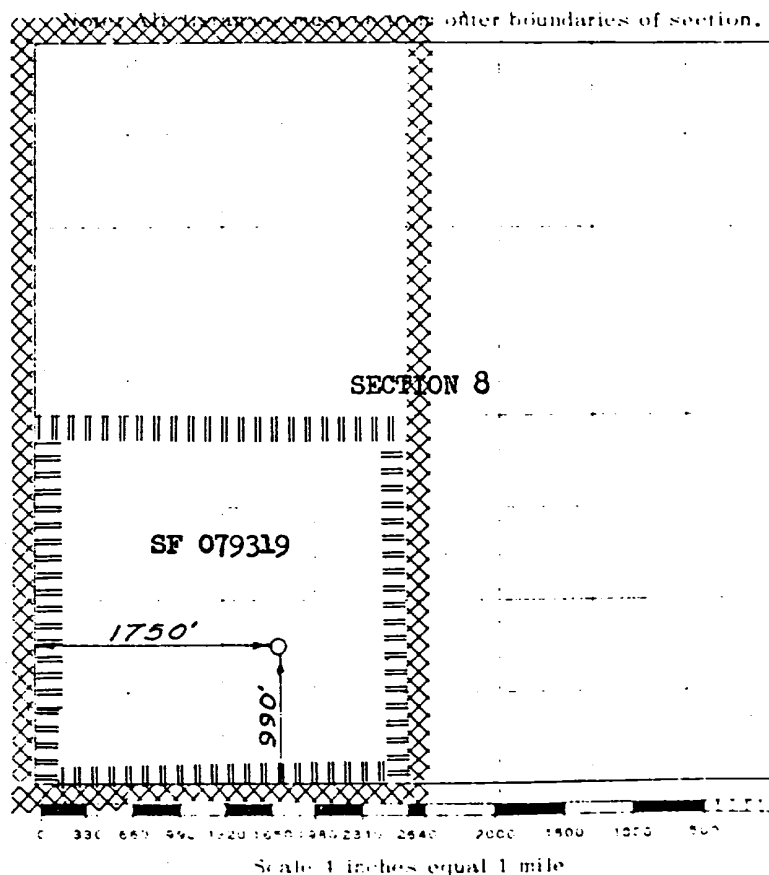
Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

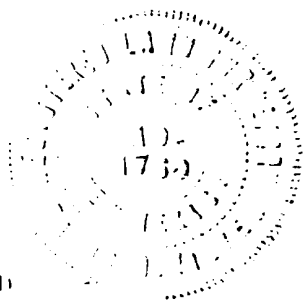
El Paso Natural Gas Company
 (Operator)
 Original Signed **D. C. Johnston**
 (Representative)

Box 997
 (Address)

Farmington, New Mexico



Scale 1 inch equals 1 mile



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed **JANUARY 9, 1958**

David J. Gilman
 Registered Professional Engineer and or Land Surveyor

Farmington, New Mexico



Schwerdtfeger "A" LS #14

Offset Operator / Ownership Plat

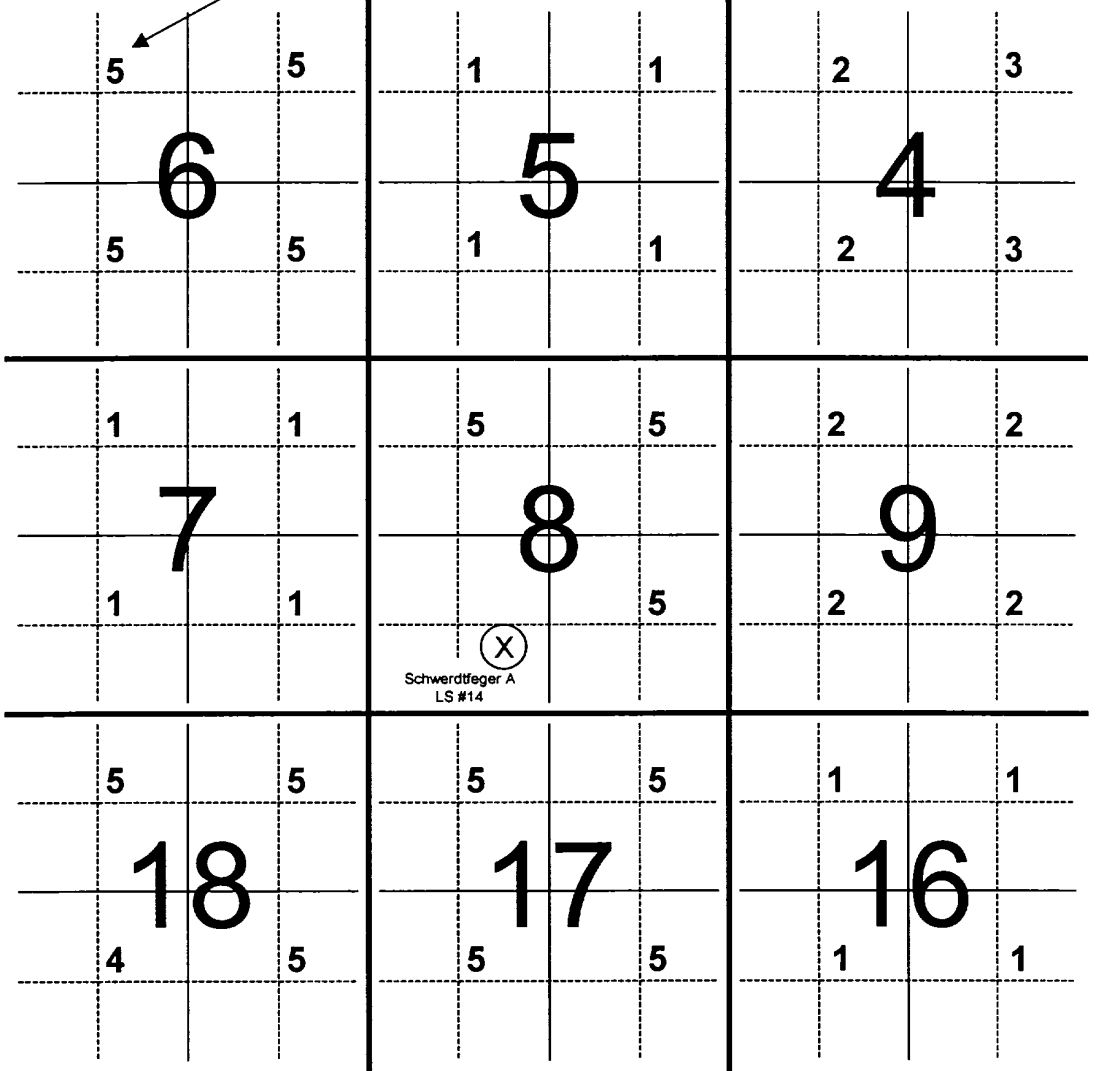
**Blanco Mesaverde / South Blanco Pictured Cliffs
Downhole Commingle**

Township 27 N, Range 08 W

1. Burlington Resources Oil & Gas Company
3535 E. 30th St.
Farmington, NM 87402
2. Conoco Incorporated
10 Desta Dr.
Suite 100W
Midland, Tx 79705
3. M & G Drilling Company
c/o KM Production
PO Box 168
Farmington, NM 87499
4. Robert L Bayless
PO Box 168
Farmington, NM 87499
5. Cross Timbers Operating Co.
6001 E. Hwy 64
Farmington, NM 87401



Offset Operator as indicated on previous page



Township 27N,
Range 08W



Cross Timbers Operating Company

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Schwerdtfeger "A" LS #14
990' FSL & 1,750' FWL Sec. 8, T27N, R08W
San Juan County, New Mexico

Dear Offset Operator,

As an offset operator to the above mentioned well, you are hereby notified that Cross Timbers Operating Co is filing for downhole commingle approval.

As an offset operator, you have the right to file an objection to the commingling of the above mentioned well within twenty (20) days starting upon receipt of this letter. If you do not have any objections to the above well being commingled, you can either sign this letter waiving your rights to an objection or let the twenty days, upon receipt of this letter, expire.

Please return this letter or a letter of objection to Mr. David Catanach at the address listed.

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

<i>Burlington Resources Oil & Gas</i>	Signature:
<i>Conoco Incorporated</i>	Signature:
<i>M & G Drilling Co.</i>	Signature:
<i>Robert L Bayless.</i>	Signature:

Cross Timbers Oil Company

SCHWERTFEGER A 14

CROSS TIMBERS
BLANCO S (PICTURED CLIFFS)

SAN JUAN
71165

CO
450660

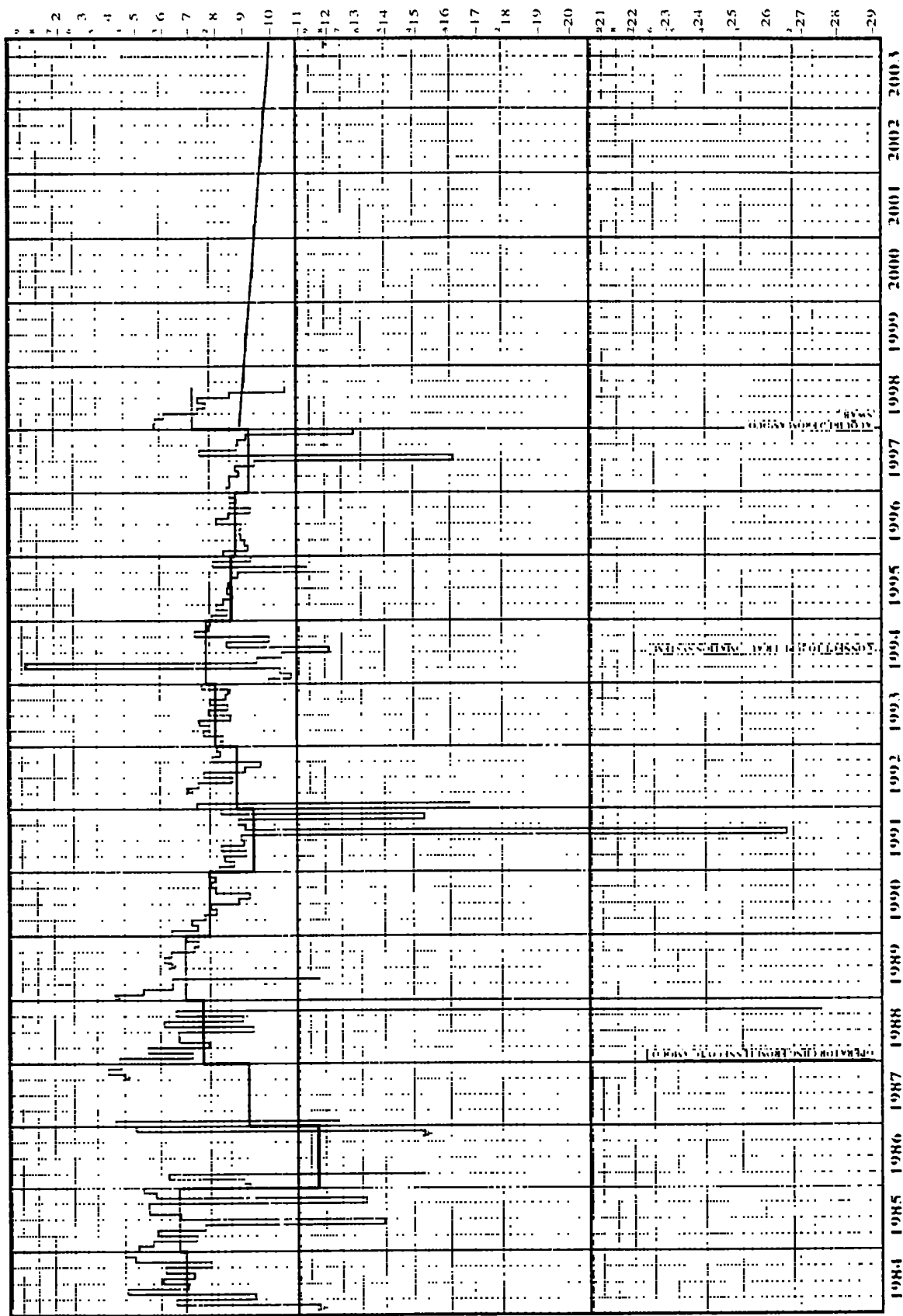
08N 27N 08W
RWT

M & L - 1/98 FORECAST

JWP DLM CP-K-WSS

Run Date : 03/19/98
Run Time : 12:15:52

GAS (mc/mm)
OIL (bbls/mm)



Cross Timbers Oil Company

SCHWERTDTEGER A 14

CROSS TIMBERS
BLANCO (MESAVERDE)
SAN JUAN, NEW MEXICO
08N 27N 08W
RWT

SAN JUAN
71164

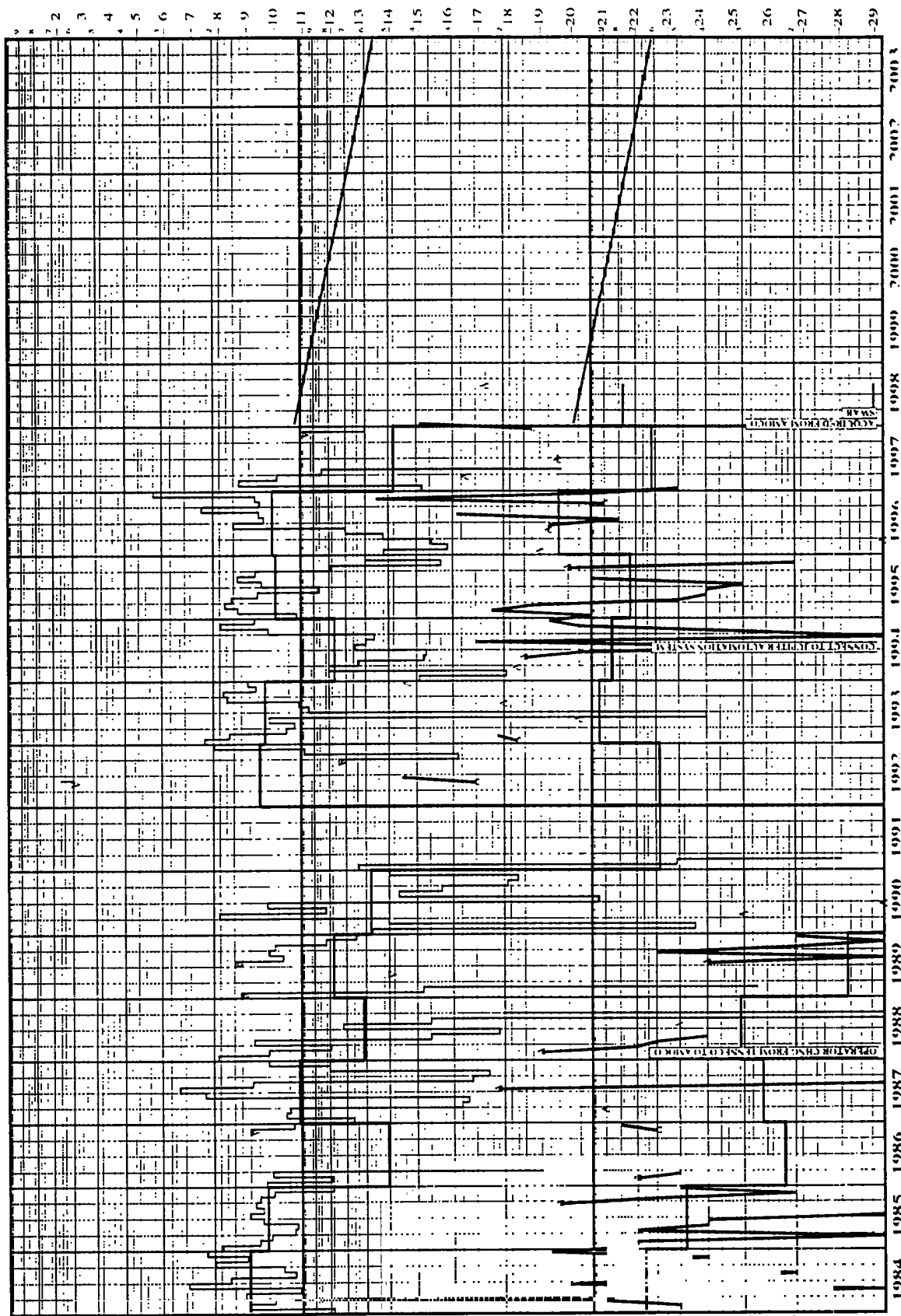
CO
506601

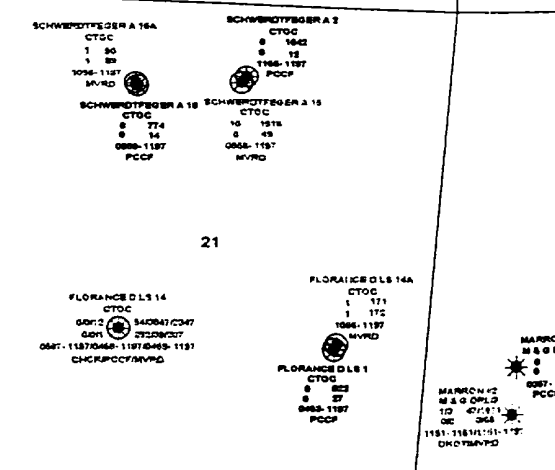
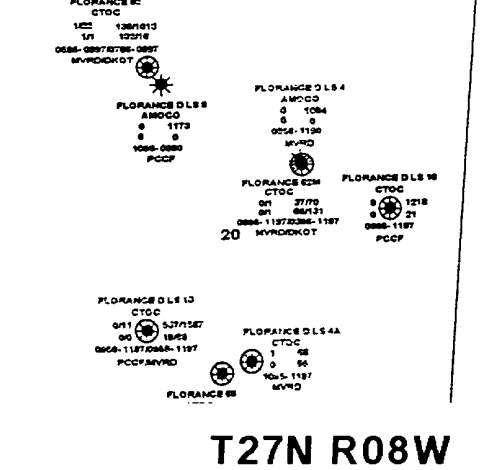
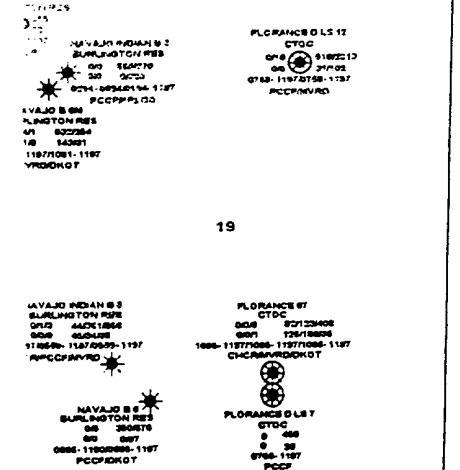
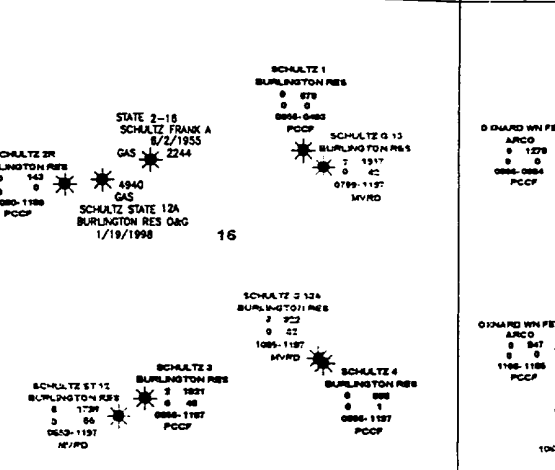
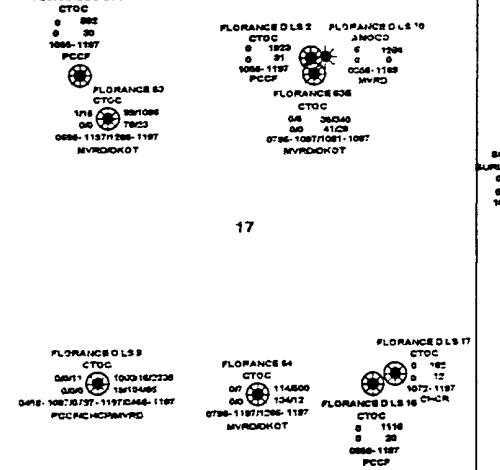
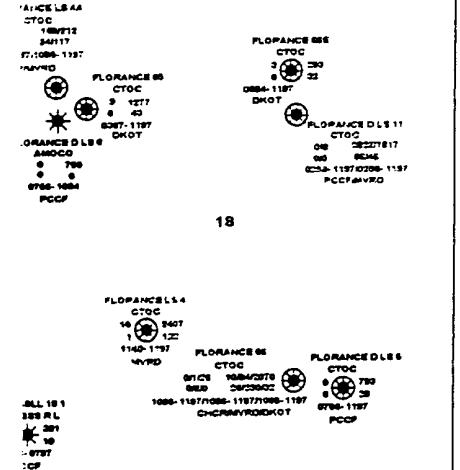
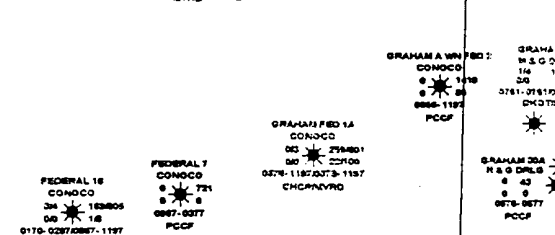
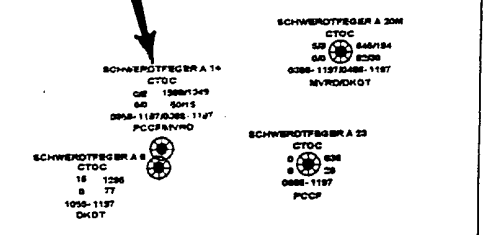
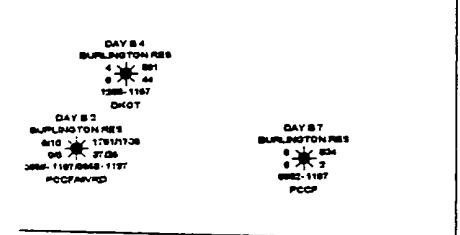
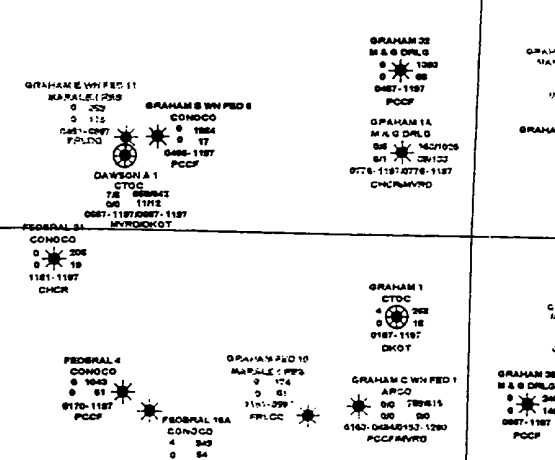
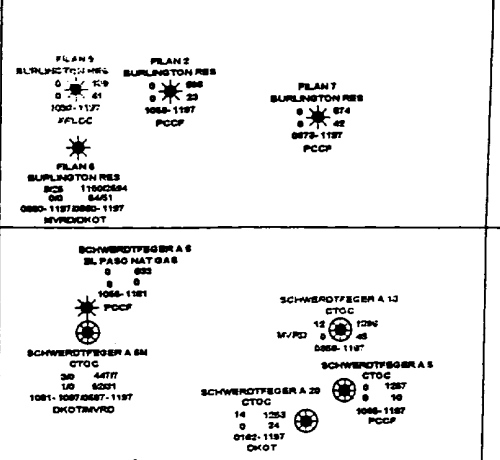
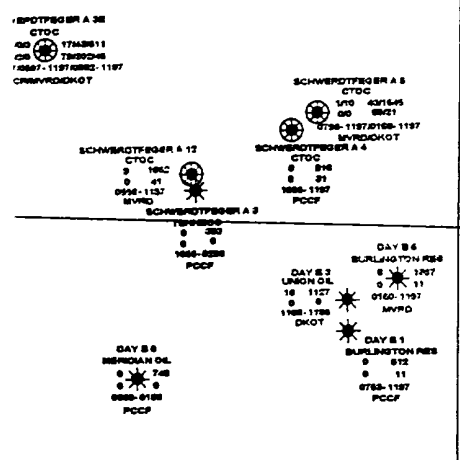
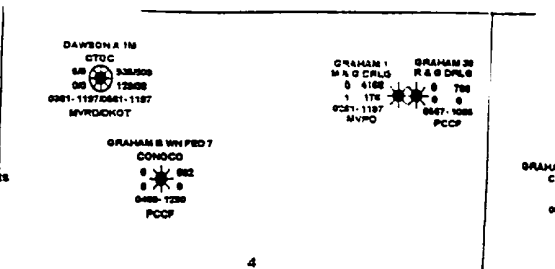
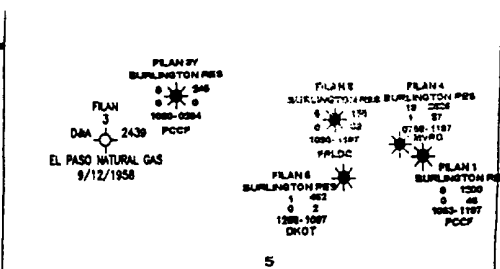
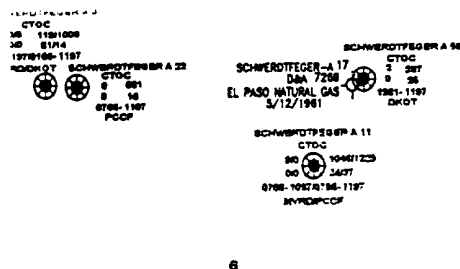
M & L - 1/98 FORECAST

JWP DLM CP-K-WSS

Run Date: 03/19/98
Run Time: 12:15:35

GAS (mcf/mo) ▽
OIL (bbls/mo) Δ





T27N R08W