

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 875054-6429Form 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

#5E

A

6

27N

08W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

Federal ☒ State ☐ (and/or) Fee ☐

OGRID NO. 167067

Property Code 022634

API NO. 30-045-24790

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Undesg. Gallup		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	6,111'-6,554' (perf'd)		7,042'-7,147' (perf'd)
3. Type of production (Oil or Gas)	Oil & Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current)		
Oil Zones - Artificial Lift: Estimated Current	385 psig (calc)		474 psig (calc)
Gas & Oil - Flowing: Measured Current			
All Gas Zones: Estimated Or Measured Original	980 psig (calc)		1,340 psig (calc)
6. Oil Gravity (^o API) or Gas BTU Content)	40.6 grav / 1186 BTU		1156 BTU
7. Producing or Shut-In?	Producing		Shut In
Production Marginal? (yes or no)	yes		yes
* If Shut-In, give date and oil/gas/water rates of last production	Date:	Date:	Date: 6/1/99
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Rates:	Rates:	Rates:
			0 bopd/20 MCFPD/0 bwpd
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 7/7/99	Date:	Date:
	Rates:	Rates:	Rates:
	2 bopd/50 MCFPD/0 bwpd		
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 88 % Gas: 71 %	Oil: % Gas: %	Oil: 12 % Gas: 29 %

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 ☐ No11. 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 communized 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. NMOCED 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

TITLE Production Engineer

DATE 7/7/99

TYPE OR PRINT NAME Jeffery W. Patton

TELEPHONE NO(505) 324-1090

State of New Mexico
Energy, Minerals & Natural Resources Department



Cross Timbers Operating Company

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

Re: Administrative Approval to Downhole Commingle
Cross Timbers Operating Co.
Schwerdtfeger A #5E
1,060' FEL, 850' FNL Sec. 6, 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.

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 above address.

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

Energen Resources Corp.	Signature:
Amoco Production Company	Signature:

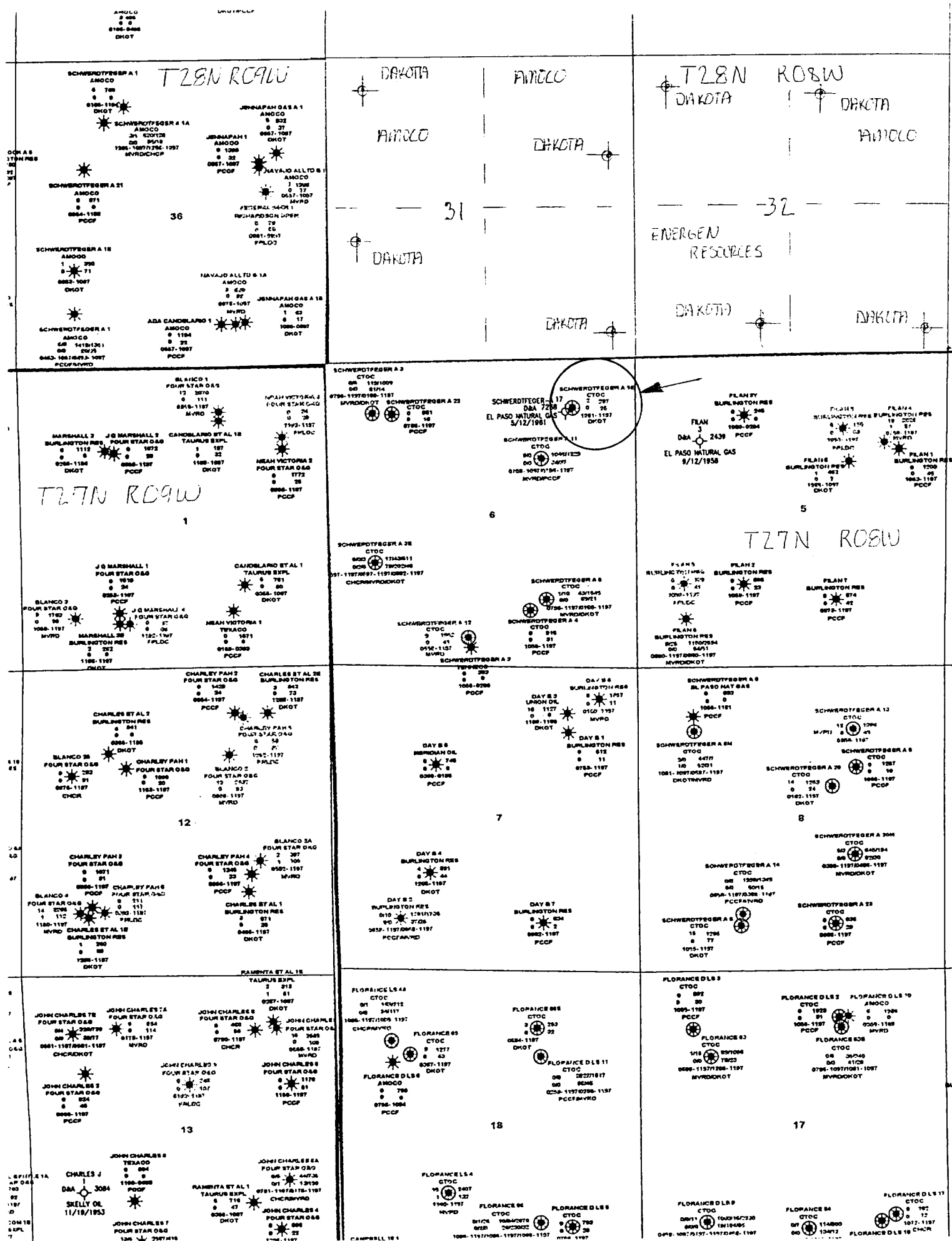


Cross Timbers Operating Company

Schwerdtfeger A #5E
Offset Operator / Ownership Plat
Undesignated Gallup / Basin Dakota
Downhole Commingle

Township 27 N, Range 08 W

1. Energen Resources Corp.
2198 Bloomfield Hwy
Farmington, NM 87401
2. Amoco Production Company
200 Amoco Ct. 1717 Main
Farmington, NM 87401
3. Cross Timbers Operating Co.
2900 Farmington Ave. Bldg K, Suite 1
Farmington, NM 87401



Cross Timbers Oil Company

SCHWERTFEGER A 5E

CROSS TIMBERS
BASIN (DAKOTA)
SAN JUAN, NEW MEXICO
06A 27N 08W
RWT

SAN JUAN
71155

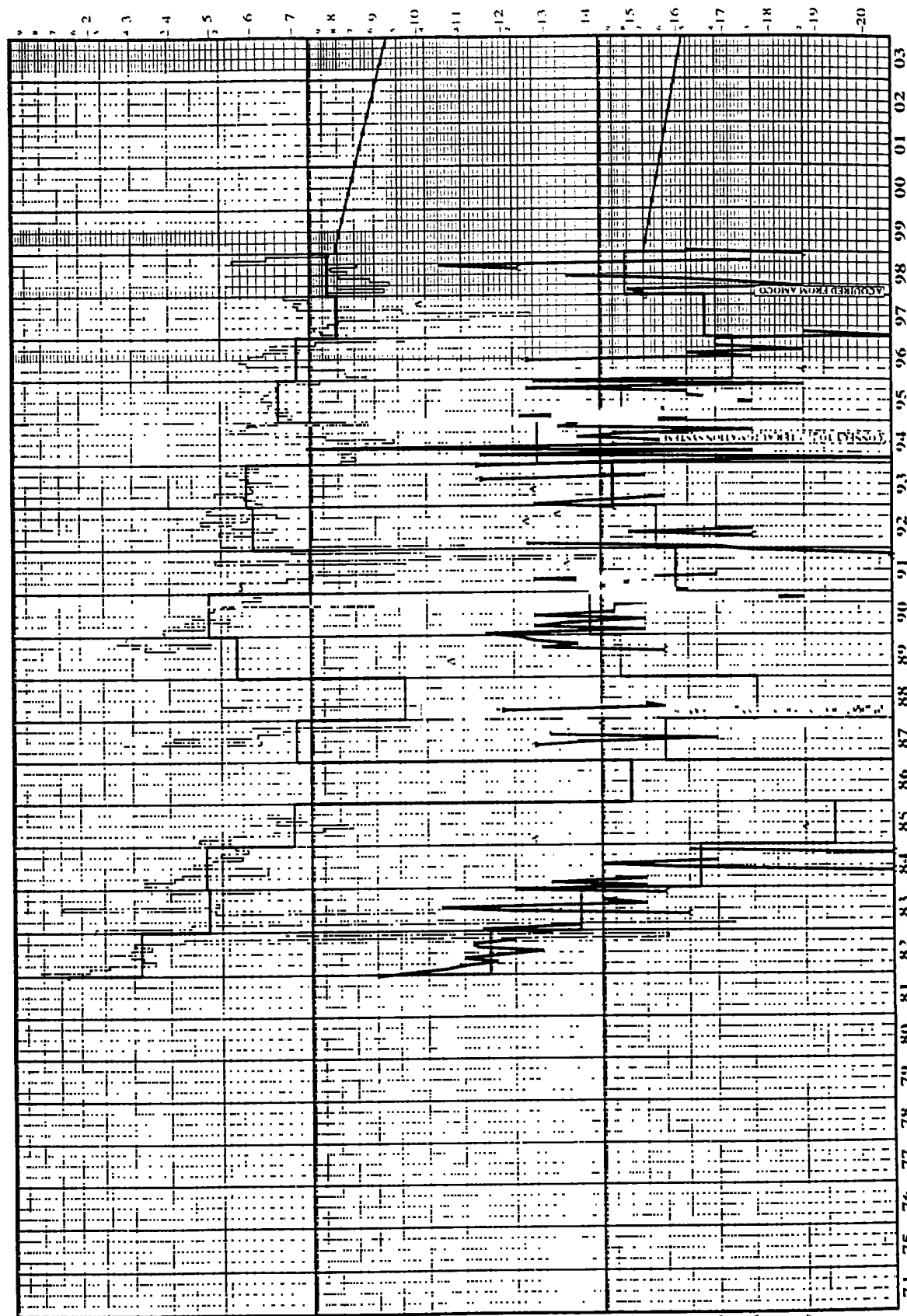
CO
524790

M & L - 1/99 FORECAST

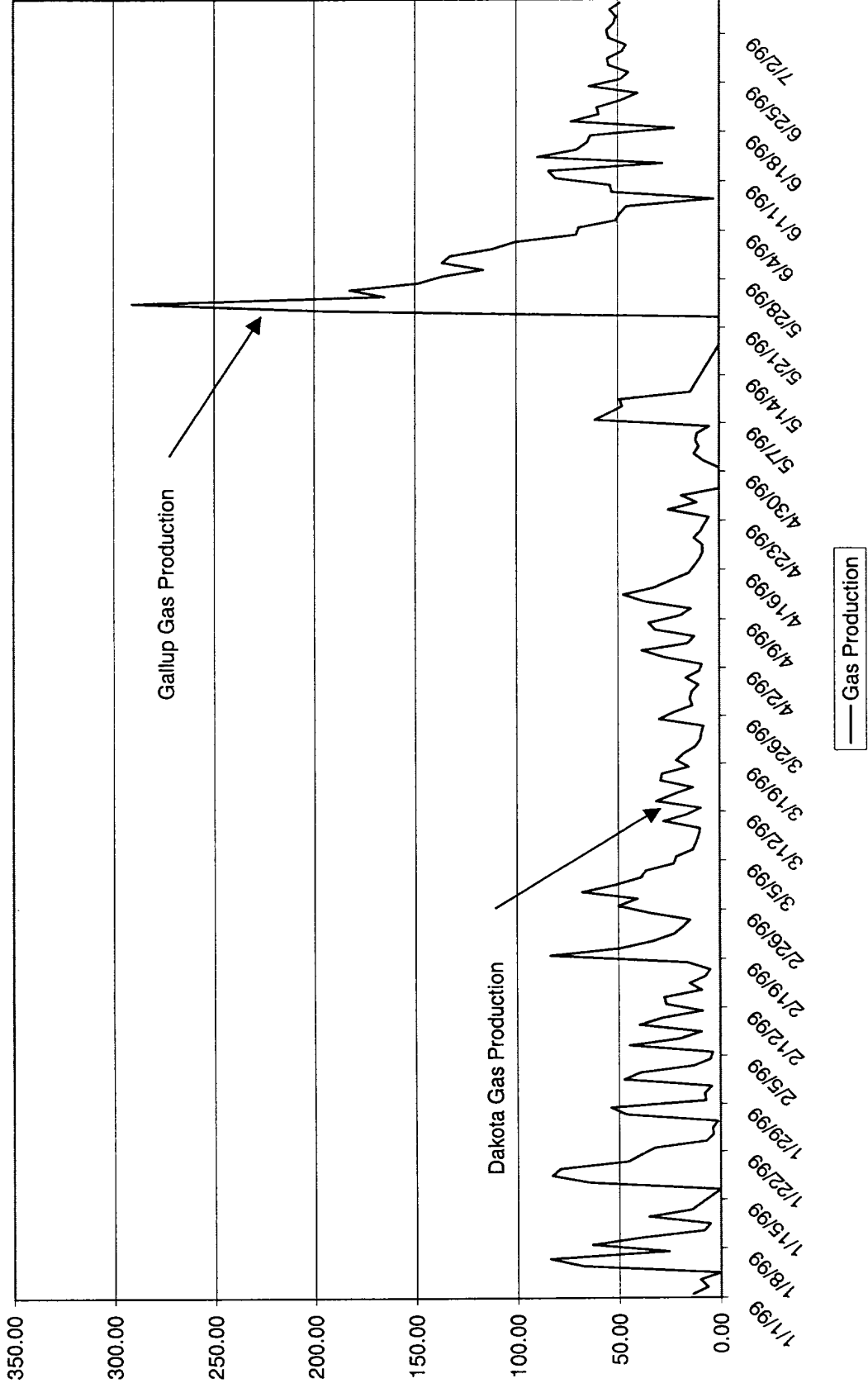
JWP DLM CP-K-WSS

Run Date: 04/11/99
Run Time: 11:57:53

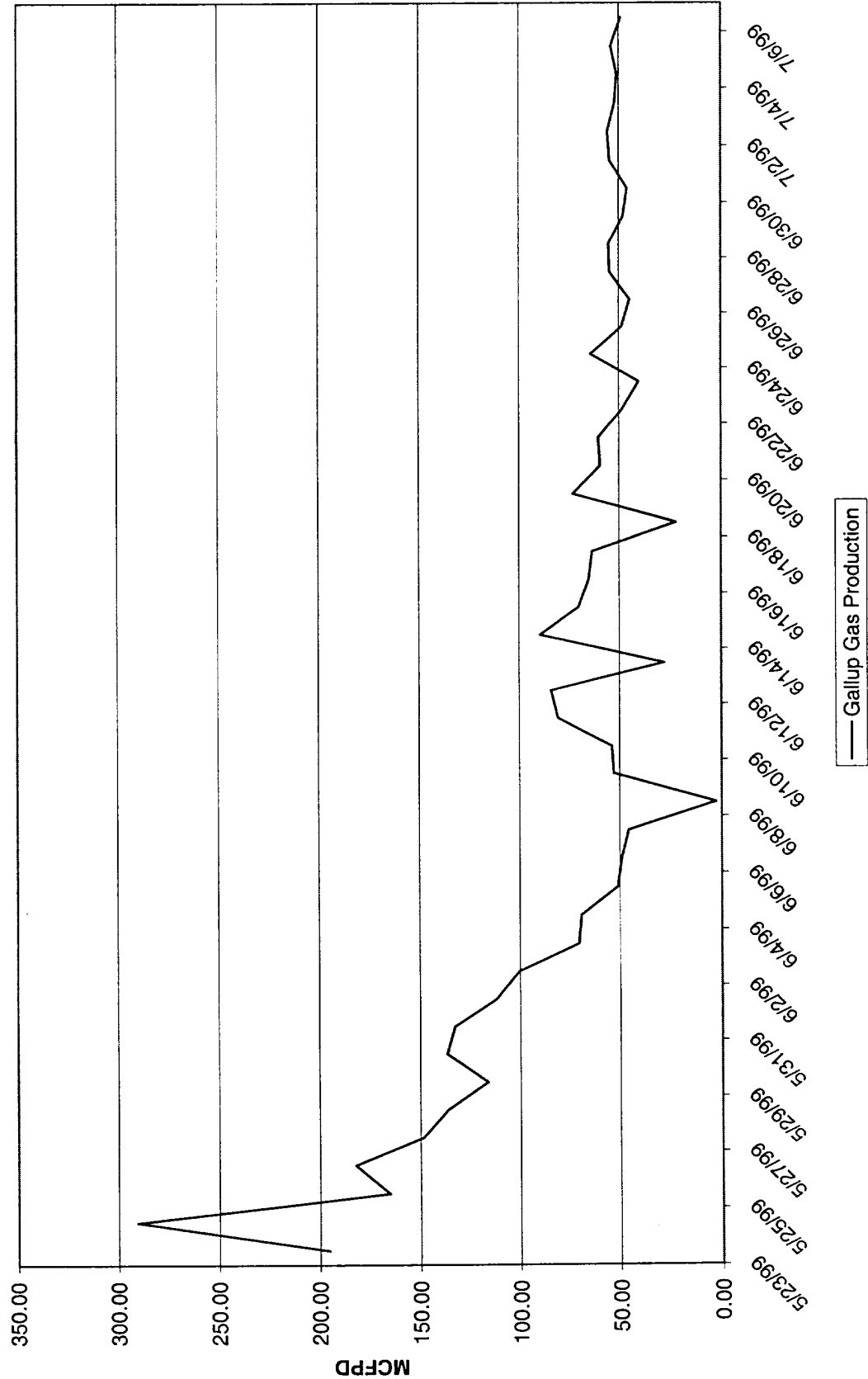
GAS (mcf/mo) ▽
OIL (bbls/mo) Δ



Schwerdtfeger A #5E



Schwerdtfeger A #5E



Schwerdtfeger A #5E

