Release Date: Sept 12, 1988

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 18, 1988

Mr. William J. LeMay
N. M. Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

re: Congress Lachman #4E (SF-047039-C)
940' FNL & 1820' FWL
Section 18, T28N-R10W
San Juan County, New Mexico

Dear Mr. LeMay:

Union Texas Petroleum is applying for a downhole commingling order for the referenced well in the Basin Dakota/Armenta Gallup fields. Ownership of the two zones to be commingled is common. The Bureau of Land Management and the offset operators indicated in the attached plats will receive notification of this proposed downhole commingling.

The subject well was drilled and completed during February, 1983 in both the Dakota and Gallup formations. The Gallup formation was fracture stimulated with 309,500# sand in 105,543 gallons 75 quality foam in three stages. The Dakota formation was fracture stimulated with 86,000# sand in 143,000 gallons nitrified slick water. CAOF of the Dakota zone (3-22-83) was 323 MCFD. Initial production from the Gallup formation (4-16-83) was 31 BOPD and 324 MCFD. First year's production averaged 39 MCFD and 0.1 BOPD from the Dakota and 156 MCFD and 1.2 BOPD from the Gallup. The Gallup formation is currently produced with a plunger lift system, and the Dakota is flowing from below a packer. Two tubing strings are utilized. Most recent production from the Dakota averages 15 MCFD and a trace of oil, and the Gallup averages 30 MCFD and a trace of oil and water. Total liquid production from both zones is negligible.

This is a poor well and continued production will depend on few or no additional expenses and additional recoverable reserves from a planned workover to open and test the Chacra formation in this wellbore. It is planned to stimulate and test the Chacra formation. If economic, the commingled Gallup-Dakota stream will be produced up a tubing string from below a packer, and the Chacra stream up another tubing string. The proposed commingling will result in recovery of additional hydrocarbons from both the Gallup and Dakota formations, thereby preventing waste, and will not violate correlative rights. Commingling of the two zones will result in a more efficient operation by helping to lift the very small amount of produced liquids from each zone without the aid of the plunger lift currently used on the Gallup.

The attached fluid analysis is from the Gallup and Dakota zones of the Angel Peak B #24E, an offset well approximately half mile to the southwest. The Gallup and Dakota zones were similarly commingled in this wellbore during October, 1986, as per Administrative Order No. DHC-602. The trace amount of liquids produced in the subject well will be similar to the Angel Peak B #24. The analysis indicates the total value of crude will not be reduced by the commingling. The reservoir characteristics of each of the zones are such that underground waste would not be caused by the proposed downhole commingling. The calculated static bottom hole pressure, based on surface pressure and fluid measurements, is 310 psi in the Gallup and 430 psi in the Dakota, well within the limits of Rule 303-C, Section 1(b), Part (6). The small amount of fluids from each zone are compatible and no precipitates will be formed as a result of commingling to damage either reservoir. Current flow tests indicate the daily liquid production will not exceed the limit of Rule 303-C, Section 1(a), Parts (1) and (3).

The Division Aztec District Office will be notified any time the commingled well is shut in for seven consecutive days. To allocate the commingled production to each zone, Union Texas Petroleum will consult with the supervisor of the Aztec District Office and determine an allocation for each of the producing zones.

Included with this letter are two plats showing ownership of offsetting leases, a production curve of each zone, Form C-116 (GOR test), a Fluid Analysis Report, and a wellbore diagram showing the proposed downhole configuration after commingling.

Yours truly,

S. G. Katirgis

S. G. Katirgis
Production Engineer

cc: NMOCD - Aztec
M. R. Herrington
W. K. Cooper

NEW MEXICO OIL CONSERVATION COMMISSION

GAS - OIL RATIO TESTS

C-116

Revised 1-1-65

Operator: Union Texas Petroleum

Pool: Armenta Gallup/Basin Dakota

County: San Juan

Address: 375 US Hwy 64, Farmington, New Mexico 87401

TYPE OF TEST - (X): Scheduled [ ] Completion [ ] Special [X]

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS.	GRAV. OIL	OIL BBLS.	GAS M.C.F.	GAS - OIL RATIO CU.FT./BBL
Congress Lachman (Gallup)	4E	C	18	28N	10W	2/9/88			92		24	0		0	48	N/A
Congress Lachman (Dakota)	4E	C	18	28N	10W	2/9/88			211		24	0		0	18	N/A

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

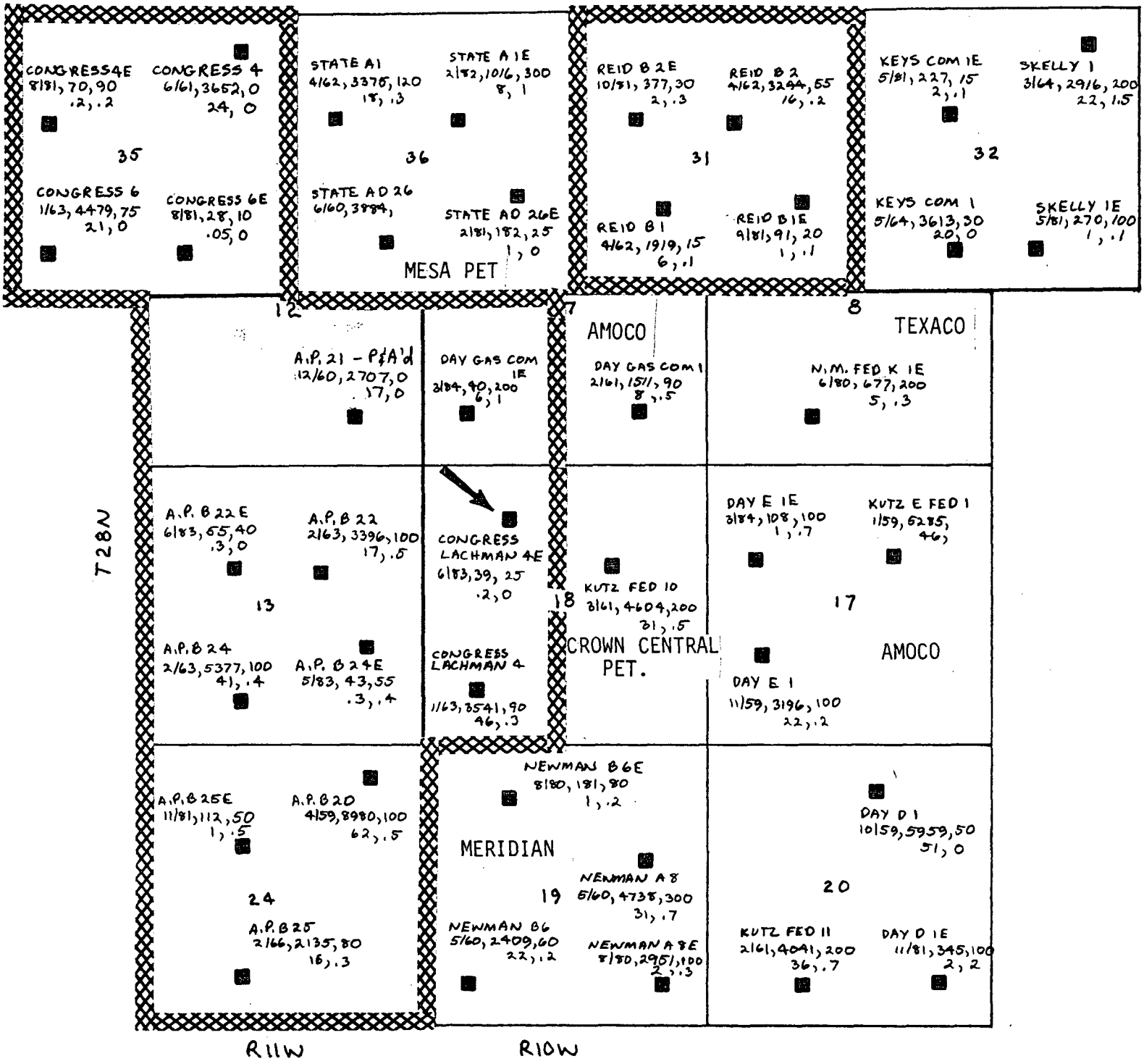
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

S. D. Katerjis
(Signature)

Production Engineer
(Title)

LAND PLAT - DAKOTA FORMATION



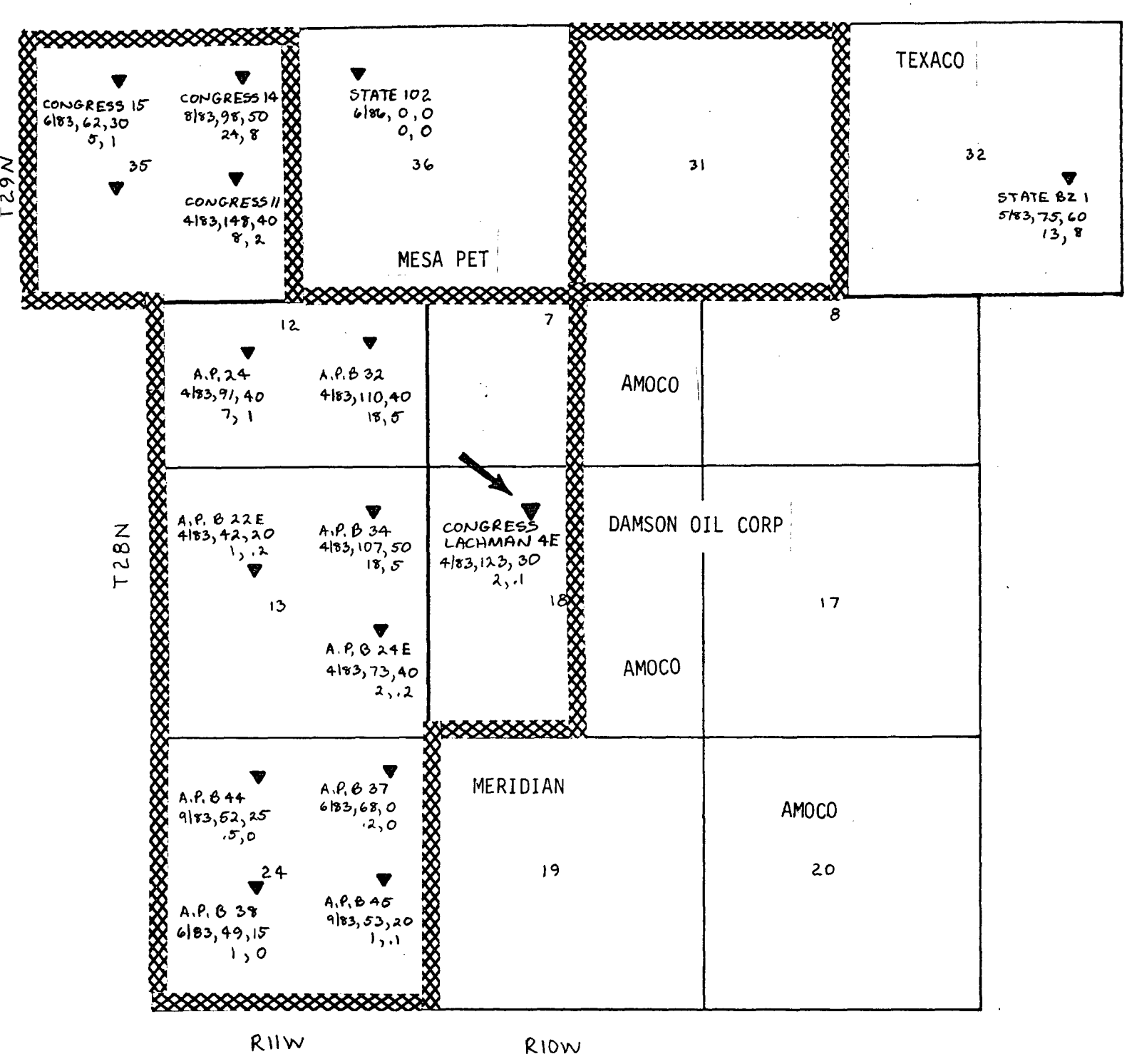
LEGEND

Date 1st Prod, Cum Gas (MMCF), Capacity (MCFD)
Cum Oil (MBO), Capacity (BOPD)

UNION TEXAS PET. ACREAGE

SUBJECT WELL

LAND PLAT - GALLUP FORMATION

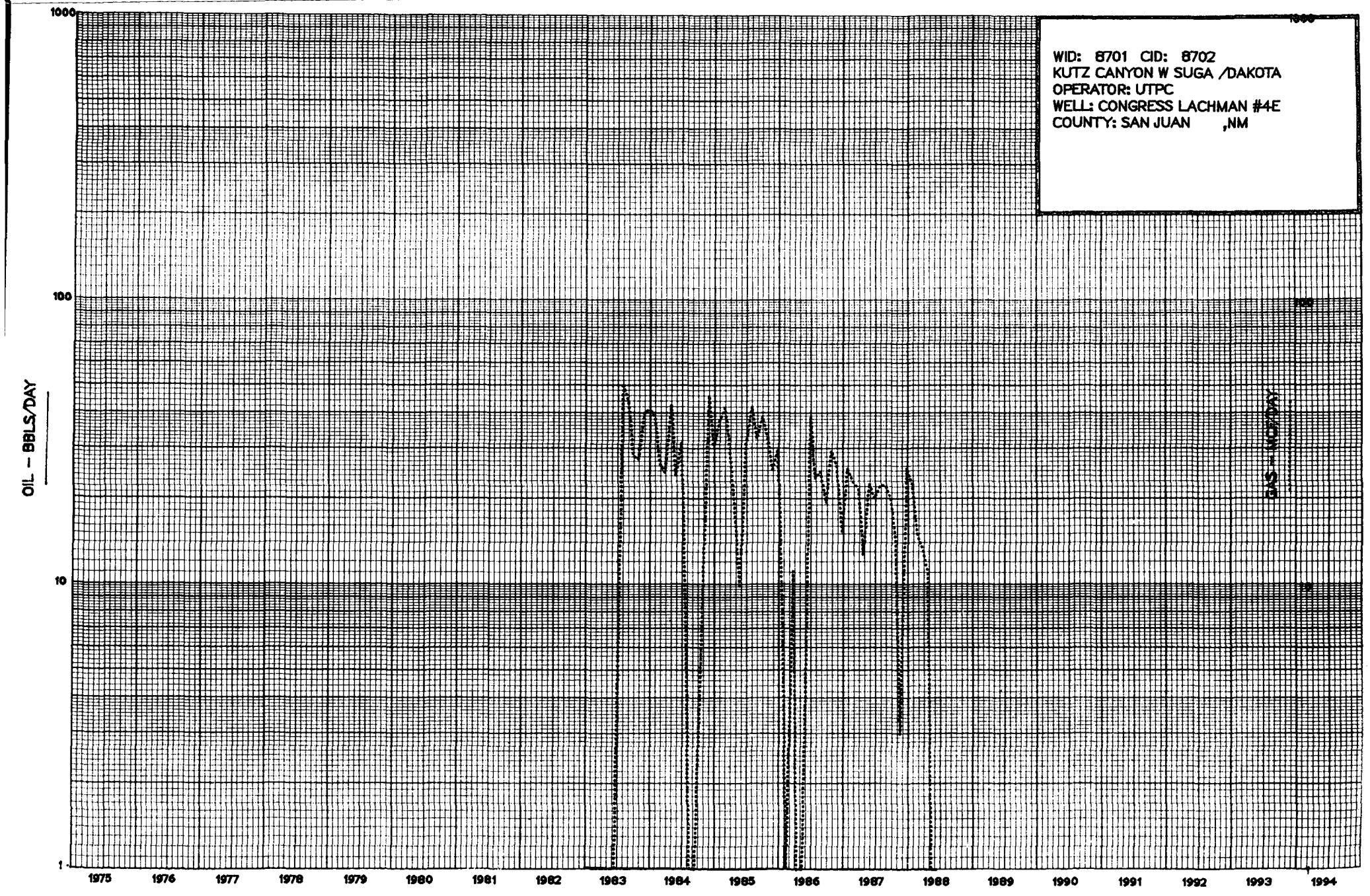


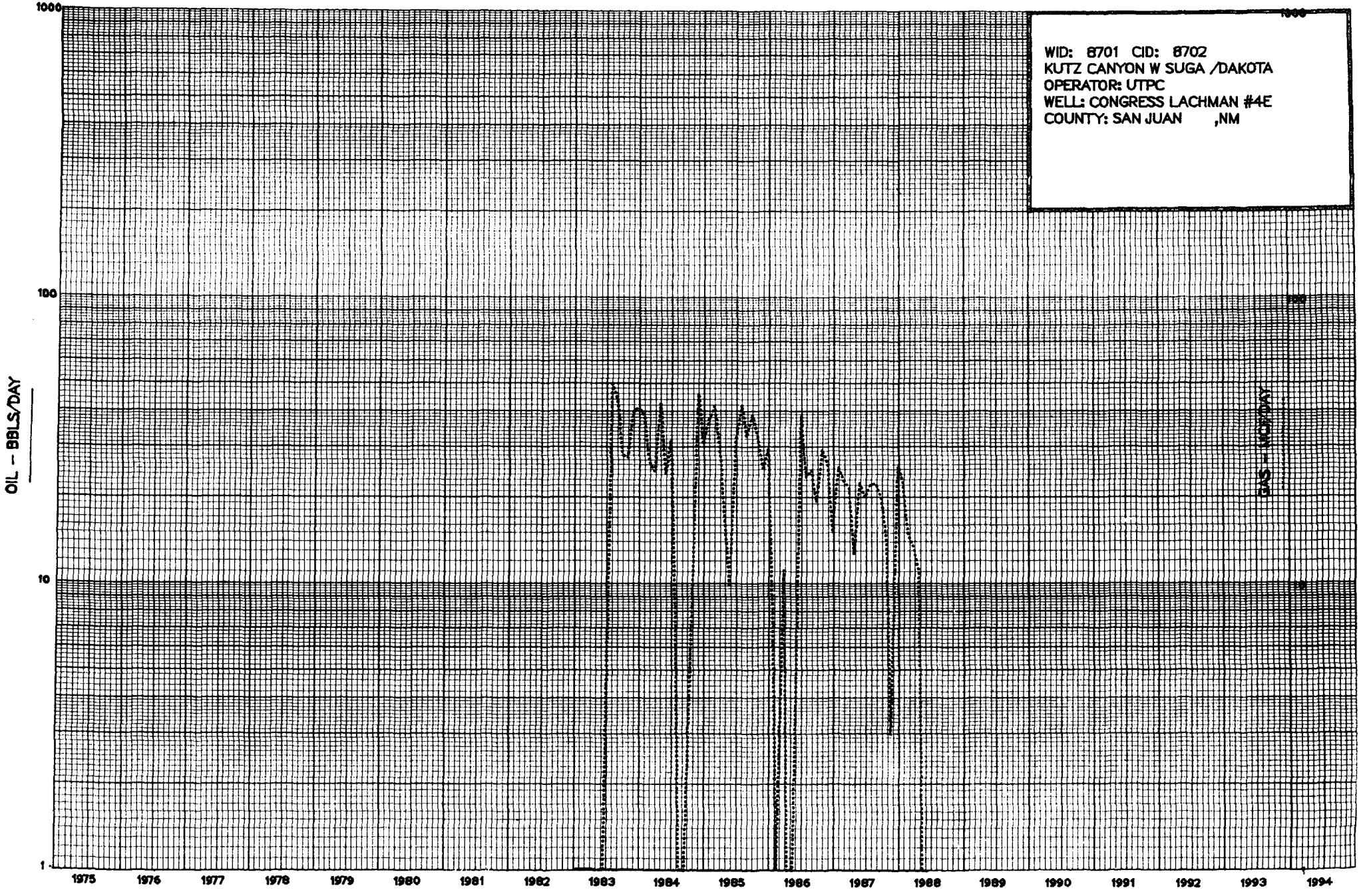
LEGEND

Date 1st Prod, Cum Gas (MMCF), Capacity (MCFD)
Cum Oil (MBO), Capacity (BOPD)

UNION TEXAS PET. ACREAGE

SUBJECT WELL


WID: 8701 CID: 8702
KUTZ CANYON W SUGA /DAKOTA
OPERATOR: UTPC
WELL: CONGRESS LACHMAN #4E
COUNTY: SAN JUAN ,NM
OIL - BBLS/DAY
GAS - MCF/DAY
1000
100
10
1
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994


WID: 8701 CID: 8702
KUTZ CANYON W SUGA /DAKOTA
OPERATOR: UTPC
WELL: CONGRESS LACHMAN #4E
COUNTY: SAN JUAN ,NM
OIL - BBLS/DAY
GAS - MCF/DAY
1000
100
10
1
1975
1976
1977
1978
1979
1980
1981
1982
1983
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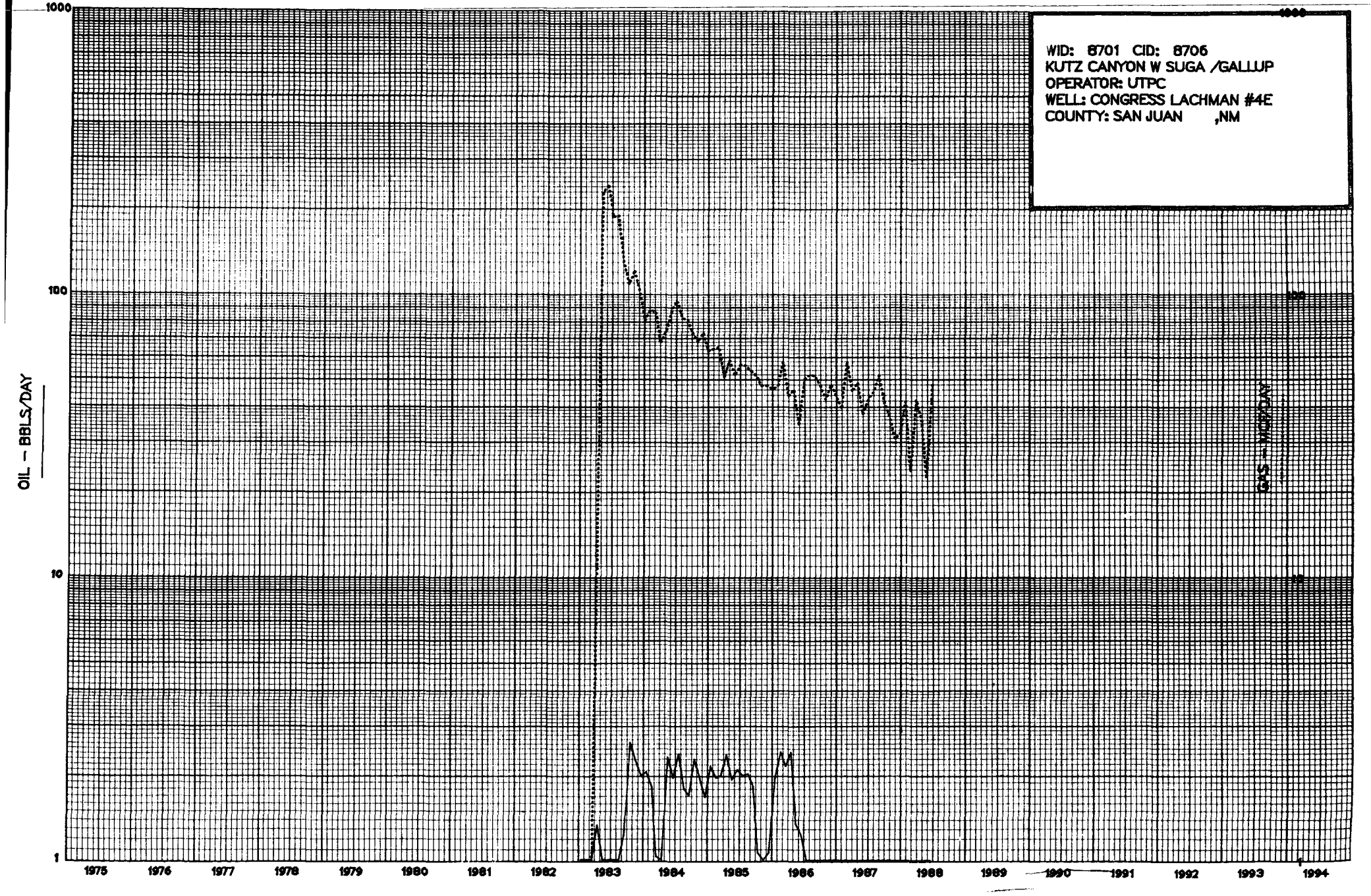

WID: 6701 CID: 6706
KUTZ CANYON W SUGA /GALLUP
OPERATOR: UTPC
WELL: CONGRESS LACHMAN #4E
COUNTY: SAN JUAN ,NM
OIL - BBLS/DAY
GAS - MCF/DAY
1000
100
10
1
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994

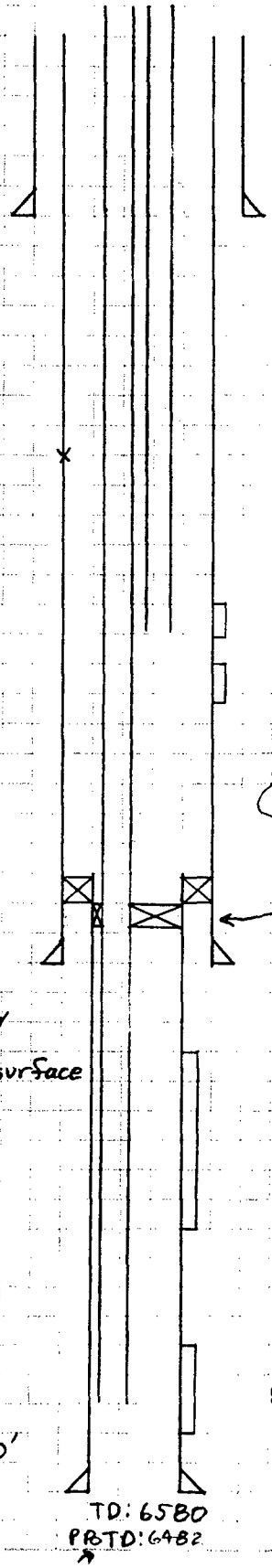
Union Texas Petroleum

SUBJECT: CONGRESS LACHMAN # 4E
WELLBORE DIAGRAM- COMMINGLED

BY: SGK DATE: 8-19-88

PAGE _____ OF _____

940'FNL & 1820'FWL
Section 18, T28N-R10W
San Juan County, NM



17 1/2" hole
13 3/8", 48#, H-40 @ 330'
circ cmt to surface

5799' RKB
5786' GLE
13' KB

DV tool @ 2038'

CHACRA TUBING
2 3/8", 4.7#, J-55, 8rd, EUE @ 2980'

DAKOTA / GALLUP TUBING
2 3/8", 4.7#, J-55, 8rd, EUE @ 6349'

CHACRA 2866'-2982'

7" Packer @ 5400'

12 1/4" hole
9 5/8", 40#, K-55 } @ 5348'
9 5/8", 36#, K-55 }

1ST stage, above DV tool by calculation
2nd stage, circ cmt to surface

GALLUP 5430'-6028'

DAKOTA 6294'-6403'

8 1/2" hole
7", 23#, K-55, 5124'-6580'
cmt to intermediate, by calculation and CBL.

TD: 6580
PBTD: 6482

UNION TEXAS PETROLEUM
ANGEL PEAK B24E
LEASE FLUIDS

LABORATORY INVESTIGATION
OF
ANGEL PEAK GALLUP AND DAKOTA FLUIDS COMPATABILITY
JANUARY 22, 1986

PREPARED FOR:

UNION TEXAS PETROLEUM
Sterg Katirgis
Petroleum Engineer

PREPARED BY:

James C. Terry
PRODUCTION ANALYSTS

LABORATORY INVESTIGATION
ANGEL PEAK B24E
LEASE FLUIDS

SUMMARY OF RESULTS

1. No precipitation of materials was observed from either admixture of fluids.

2. Emulsion testing was performed. There is no concern over emulsion effects.

3. The cloud point of oil mixtures dropped or remained the same upon mixing of fluids.

4. According to calculations not enough cool down from gas expansion will occur to alter paraffin deposition significantly.

JAMES C. TERRY
PRODUCTION ANALYSTS
Farmington, New Mexico

LABORATORY INVESTIGATION
ANGEL PEAK B24E
LEASE FLUIDS

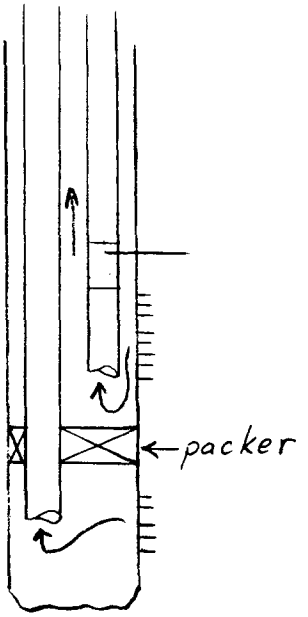
On Monday, January 13, 1986, a request for laboratory work was place by Sterg Katirgis, Petroleum Engineer of Union Texas Petroleum Corporation.

PURPOSE

Two oil samples were received of Mr. Katirgis with the request we investtigate the concern of potentially detrimental effects due to comingling of Gallup and Dakota fluids in the Angel Peak B24E.

INVESTIGATION

1. Background Information- Current Wellbore
a)



Existing Gallup Perforations

Existing Dakota Perforations

b) BHST Gradient: 1.375° F/100 ft. depth.
c) Current production problems are primarily due to paraffin deposition from surface down to ≈1000' depth.

d) Commingling Order Mixture Requirements:

The commingling requests present the mixing of Angel Peak B24E Dakota oil with Angel Peak B24E Gallup fluids (oil/water).

The tests performed simulated the mixture of fluids that may result from this commingling action. Each oil component was analyzed for API gravity, paraffin, pour point, and cloud point. Each water component was analyzed for dissolved solids, pH, specific gravity and resistivity. The mixture of oils addressed the potential increase in precipitation of materials and the potential increase in paraffin content by a synergistic effect of mixing oils of different constitution. Emulsion tests simulated the mixing environment of the wellbore where the water component of a fluid could by tied up in a resulting emulsion without the ability to break out and allow separation of the oil and water constituents. The emulsion test results present the number of ml (% of mixture) of water breakout at listed time intervals. The volume of test sample (mixture) used in the emulsion tests is 100 ml.

LABORATORY INVESTIGATION
ANGEL PEAK B24E
LEASE FLUIDS

2. Concerns to address in analysis.

   a) The precipitation of materials produced by the admixture of oils of potentially different constitution.

   b) The creation of emulsions due to the admixture of different fluids.

   c) Increased paraffin deposition by additive properties of oils.

   d) Increased paraffin deposition due to the reduction of temperature accompanying gas expansion.

3. Steps taken in analysis

   a) API Analysis of oils including: API Gravity
      Pour Point
      Cloud Point
      Paraffin Content
      B S & W

   b) Discussion with Mr. Katirgis regarding the well bore production environment; e.g., mode of hydrocarbon production, pump type and operation, water components of production fluids, current paraffin problems, etc.

   c) Mixing of oils in appropriate cases with additional cloud point testing to determine resulting fluid characteristics.

   d) API Water Analysis

   e) Emulsion tendency testing via mixing of fluids in appropriate cases.

LABORATORY INVESTIGATION
ANGEL PEAK B24E
LEASE FLUIDS

DATA

Sample #1

Zone:	Dakota
API Gravity @ 60°F	53.0
Cloud Point	22°F
Pour Point	-1°F
Pafaffin Content	7.98% (weight)

Sample #2

Zone:	Gallup
API Gravity @ 60°F	44.1
Cloud Point	2°F
Pour Point	<-12°F
Paraffin Content	14.19% (weight)

Sample #3

Zone:	50/50 Mix
API Gravity @ 60° F	48.9
Cloud Point	24°F
Pour Point	<-10°F
Paraffin Content	11.89% (weight)

Analysis No. 1

Date 1-22-86

PRODUCTION ANALYSTS

Oil Analysis

Operator Union Texas Petroleum

Well Angel Peak B24E

Field -

Formation Dakota

Depth -

County San Juan

State New Mexico

Date Sampled 1-10-86

Date Received 1-13-86

Submitted By Sterg Katirgis

Worked By Clay Terry

Sample Description Brownish, clear oil sample. No water phase or emulsion. Small bottom solids component.

API Gravity 53.0 ° at 60°F

Paraffin Content 7.98 % by weight

Asphaltene Content n/a % by weight

Pour Point -1 °F

Cloud Point 22 °F

SAMPLE COMPOSITION:

H_2O	0
Emulsion	0
Oil	780
Total	780 ml

Comments:

B S & W Test Results:

Oil	99.9
Water	0
Solids	<0.1
Emulsion	0

Analyst Clay Terry

Analysis No. 2

Date 1-22-86

PRODUCTION ANALYSTS

Oil Analysis

Operator Union Texas Petroleum

Well Angel Peak B24E

Field -

Formation Gallup

Depth -

County San Juan

State New Mexico

Date Sampled 1-10-86

Date Received 1-13-86

Submitted By Sterg Katirgis

Worked By Clay Terry

Sample Description Oil/Water/Emulsion sample.

Oil phase is yellowish-brown, opaque.

Emulsion phase not serious.

API Gravity 44.1 ° at 60°F

Paraffin Content 14.19 % by weight

Asphaltene Content N/A % by weight

Pour Point <-12 °F

Cloud Point 2 °F

Sample Composition:

H_2O	103
Emulsion	16
Oil	807
Total	926ml

Comments:

B S & W Test Results:

Oil	95.5%
Water	0.8%
Solids	<0.1%
Emulsion	3.7%

Analyst Clay Terry

Analysis No. 3

Date 1-22-86

PRODUCTION ANALYSTS

Oil Analysis

Operator Union Texas Petroleum

Well Angel Peak B24E

Field -

Formation Gallup/Dakota

Depth -

County San Juan

State New Mexico

Date Sampled 1-10-86

Date Received 1-13-86

Submitted By Sterg Katirgis

Worked By Clay Terry

Sample Description 50/50 mix of oils from Gallup and Dakota intervals.

API Gravity 48.9 ° at 60°F

Paraffin Content 11.89 % by weight

Asphaltene Content n/a % by weight

Pour Point <-10 °F

Cloud Point 24 °F

Comments:

B S & W Test Results:

Oil	96.0%
Water	0.4%
Solids	<0.1%
Emulsion	3.6%

Analyst Clay Terry

API FORM 45-1

API WATER ANALYSIS REPORT FORM

Company		Sample No.	Date Sampled
Union Texas Petroleum		2B	1-10-86
Field	**Legal Description**	**County or Parish**	**State**
Angel Peak Gal/Dak	-	San Juan	NM
Lease or Unit	**Well**	**Depth**	**Formation**	**Water, B/D**
Angel Peak B	24E	-	Gallup	H_2O
Type of Water (Produced, Supply, etc.)	**Sampling Point**		**Sampled By**
Produced	Separator		SK

DISSOLVED SOLIDS

CATIONS	*mg/l*	*me/l*
Sodium, Na (calc.)	218	9.5
Calcium, Ca	-0-	-0-
Magnesium, Mg	29	2.4
Barium, Ba		
Potassium, K	180	4.6

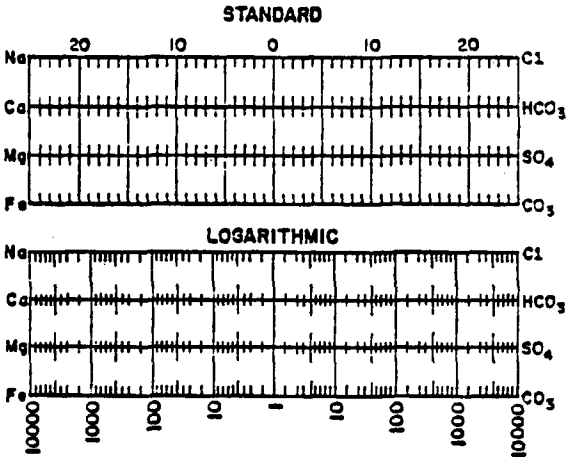
ANIONS		
Chloride, Cl	383	10.8
Sulfate, SO_4	25	0.5
Carbonate, CO_3	-0-	-0-
Bicarbonate, HCO_3	319	5.2
Hydroxide, OH	-0-	-0-

Total Dissolved Solids (calc.)	1154
Iron, Fe (total)	-0-
Sulfide, as H_2S	-0-

OTHER PROPERTIES

pH	6.3
Specific Gravity, 60/60 F.	1.003
Resistivity (ohm-meters) 75 F.	∞
Total Hardness	120

WATER PATTERNS — *me/l*



REMARKS & RECOMMENDATIONS:

DATE:

Fig. 1
EMULSION TESTS DATA SHEET

OPERATOR: UNION TEXAS
WELL: ANGEL PEAK B24E
FIELD: Angel Peak Gal/B. Dakota
FORMATION: Gallup/Dakota
DEPTH: Unknown
COUNTY: San Juan

SUBMITTED BY: S. KATIRGIS
SOURCE OF SAMPLE: _
DATE SAMPLED: 1-10-86
DATE RECEIVED: 1-13-86
API GRAVITY OF OIL: 48.9

TYPE & CONC. OF FLUID: 50/50 MIX OF GALLUP/DAKOTA FLUIDS
TYPE & CONC. OF SOLIDS:
TEST TEMPERATURE: 75°F
FLUID RATIO: 50/50
ANALYSIS BY: C. Terry

PERCENTAGE OF ORIGINAL H_2O SEPARATED AT VARIOUS TIME INTERVALS AFTER EMULSIFYING

Test Number	1															
Elapsed Time	Time	Vol	Time	Vol	Time	Vol	Time	Vol	Time	Vol	Time	Vol	Time	Vol	Time	Vol
1 min	1	4	2		3		4		5		6		7		8	
2	2	6	3		4		5		6		7		8		9	
3	3	7	4		5		6		7		8		9		10	
4	4	7	5		6		7		8		9		10		11	
5	5	7	6		7		8		9		10		11		12	
6	6	7	7		8		9		10		11		12		13	
7	7	7	8		9		10		11		12		13		14	
8	8	7	9		10		11		12		13		14		15	
9	9	7	10		11		12		13		14		15		16	
10	10	7	11		12		13		14		15		16		17	
20	20	7	21		22		23		24		25		26		27	
30	30	7	31		32		33		34		35		36		37	
Total Vol (ml)		100														
Vol. Emulsion / Sludge		0														
Solids*																
Interface**																
OIL		93														

REMARKS:

* Preferential wetting of solids: OB=oil-wet bottom; OO=oil-wet oil phase; WB=water-wet bottom; WO=water-wet oil phase
OI=oil-wet interface; WI=water-wet interface
** Interface: F=Fluid; S=Solid; V=Viscous

**The mixture of fluids was constructed to reflect proper proportions of the various fluids within each sample. Therefore, the mix was 50 ml Dakota oil, 43 ml Gallup oil, 6 ml Gallup H_2O, 1 ml Gallup Emulsion

LABORATORY INVESTIGATION
ANGEL PEAK B24E
LEASE FLUIDS

CALCULATIONS

Cool down effects due to gas expansion:

Reference: Perry's Handbook of Chemical Engineering

RE: Adiabatic Expansion of Ethane, Methane

$$T_s = T_r \left(\frac{P_s}{P_r}\right) \qquad \left(\frac{K-1}{K}\right) \text{, where}$$

T_s = Surface Temperature

T_r = Reservoir Temperature

P_s = Surface Pressure

P_r = Reservoir Pressure

$K = \dfrac{\text{Specific heat at constant pressure}}{\text{Specific heat at constant volume}}$

Assumed values for maximum cool down due to gas expansion:

T_s = Unknown

T_r = 160° F

P_s = 500 psi

P_r = 2000 psi

K = 1.2

$$T_s = 160 \left(\frac{500}{2000}\right)^{0.1667}$$

T_s = 127° F

NOTE:

A total cooldown of 33°F would be expected

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Damson Oil Corporation
P. O. Box 4391
Houston, TX 77210

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for our Congress Lachman #4E well located 940' FNL & 1820' FWL in Section 18, Township 28N-Range 10W, San Juan County, New Mexico in the Armenta Gallup and Basin Dakota.

This is to notify you of such action as our records indicate that you are owner and operator of acreage which adjoins the area in which the downhole commingling is requested. If you have no objection to the proposed downhole commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Very truly yours,

S. G. Katirgis

S. G. Katirgis
Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____

Date

Union Texas Petroleum

375 U S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Mesa Limited Partnership
P. O. Box 579
Flora Vista, NM 87415

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for our Congress Lachman #4E well located 940' FNL & 1820' FWL in Section 18, Township 28N-Range 10W, San Juan County, New Mexico in the Armenta Gallup and Basin Dakota.

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Very truly yours,

S. G. Katirgis

S. G. Katirgis
Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____

Date

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Amoco Production Co.
2325 East 30th Street
Farmington, NM 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for our Congress Lachman #4E well located 940' FNL & 1820' FWL in Section 18, Township 28N-Range 10W, San Juan County, New Mexico in the Armenta Gallup and Basin Dakota.

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Very truly yours,

S. G. Katirgis

S. G. Katirgis
Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____
Date

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Texaco, Inc.
P. O. Box 2100
Denver, CO 80201

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for our Congress Lachman #4E well located 940' FNL & 1820' FWL in Section 18, Township 28N-Range 10W, San Juan County, New Mexico in the Armenta Gallup and Basin Dakota.

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S. G. Katirgis

S. G. Katirgis
Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____
Date

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Meridian Oil, Inc.
3535 East 30th Street
Farmington, NM 87401

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for our Congress Lachman #4E well located 940' FNL & 1820' FWL in Section 18, Township 28N-Range 10W, San Juan County, New Mexico in the Armenta Gallup and Basin Dakota.

This is to notify you of such action as our records indicate that you are owner and operator of acreage which adjoins the area in which the downhole commingling is requested. If you have no objection to the proposed downhole commingling order, we would appreciate your signing the attached copy of this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Very truly yours,

S. G. Katirgis

S. G. Katirgis
Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____
Date

Union Texas Petroleum

375 U.S. Highway 64
Farmington, New Mexico 87401
Telephone (505) 325-3587

August 22, 1988

Operations Manager
Crown Central Petroleum Corp.
4747 Bellaire Boulevard
Bellaire, TX 77401

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Production Engineer

SGK:lmg

The above downhole commingling request is hereby approved:

_____

_____
Date

STATE OF ~~NEW~~ MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

RECEIVED
AUG 25 1988
OIL CONSERVATION DIVISION
SANTA FE

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 8-24-88

RE: Proposed MC _____
Proposed DHC X
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 8-23-88

for the Union Texas Petroleum Corp Congress Lachman #4E C-18-28N-10W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Emie Busch