ME-TEX SUPPLY COMPANY

(505) 397-7753 P. O. BOX 2070 HOBBS, NEW MEXICO 88241

June 6, 1989

2 wells

RECEIVED

JUN 12 1989

OIL CONSERVATION DIV.
SANTA FE

Department of Energy and Minerals
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

ATTN: Mr. William J. LeMay

REF: Request for Administrative Approval for Downhole Commingling for Pan Cana Federal #1, Unit "N", Sec. 6, and Deck Federal #1, Unit "B", Sec. 18, both wells in T22S-R37E, Lea Co., NM, Drinkard Pool

Gentlemen:

A re-work program on these wells was performed during the end of 1987 and first of 1988. Inadvertently, the required Oil Commission forms were not filed due in part with the sickness and death of Martindale Petroleum's president, Mr. R.L. Summers. Me-Tex Supply Company is now the designated operator of these wells and is attempting to correct this error.

From the enclosed production curves can be seen a decline in production on both wells. For economic reasons it was decided to complete other horizons in these wells. A decline of 80 bbls/month of oil and of 2000 mcf/month of gas is noted on the Deck Federal #1 from December 1984 to December 1985. For the Pan Cana Federal #1, the decline is 30 bbls/month of oil and gas is fairly stable from December 1986 to December 1987. Enclosed are the treatment procedures for each well in the Blinebry on the Deck Federal #1 and the Blinebry and Tubb on the Pan Cana Federal #1.

The estimated bottom hole pressure for the Deck Federal #1 in the Drinkard is 316 psi and in the Blinebry is 316 psi. The estimated bottom hole pressure for the Pan Cana Federal #1 in the Drinkard is 112 psi, for the Tubb is 112 psi and for the Blinebry is 112 psi as determined by sonic fluid levels.

Enclosed are water sample analysis from the Drinkard on the Pan Cana Federal #1 on 12-2-88 and from the Marathon Oil Company J.W. Grizzell #1 from the Blinebry. The Marathon well is located in Unit "O" of 5-22-37. Also enclosed are sample analysis from the Deck Federal #1 of the commingled zones taken 5-26-89. There appears to be no problem with the water compatability from the zones.

For the allocation formula, the logs on each well were used and a criteria of porosity greater than 5% and water saturation less than 50% were established as being contributors to the production. On the Deck Federal #1, the net porosity feet in the Drinkard is 247.5. The Drinkard is perforated as follows: 6439-41, 6458-60, 6491-93, 6533-35, 6564-66, 6587-89, 6598-6600 with 4 holes each interval for a total of 28 holes. The top of the Drinkard is at 6429 (-3007).

The Blinebry has a net porosity feet of 94. The Blinebry is perforated as follows: 5460, 67, 71, 82, 5523, 27, 63, 65, 74, 5620, 26, 42, 48, 5727, 29, 32, 71, 73, 79, 5808, 10, 14, 16, 56, 5960, 76, 88. There are 2 holes each interval for a total of 54 holes. Some of the perforations are in zones that do not fit the criteria. The total porosity feet in both zones is 341.5. Based on percentage,the allocation for the Drinkard should be 247.5/341.5=72.5% and for the Blinebry 94/341.5=27.5%. The top of the Blinebry is at 5412 (-1985).

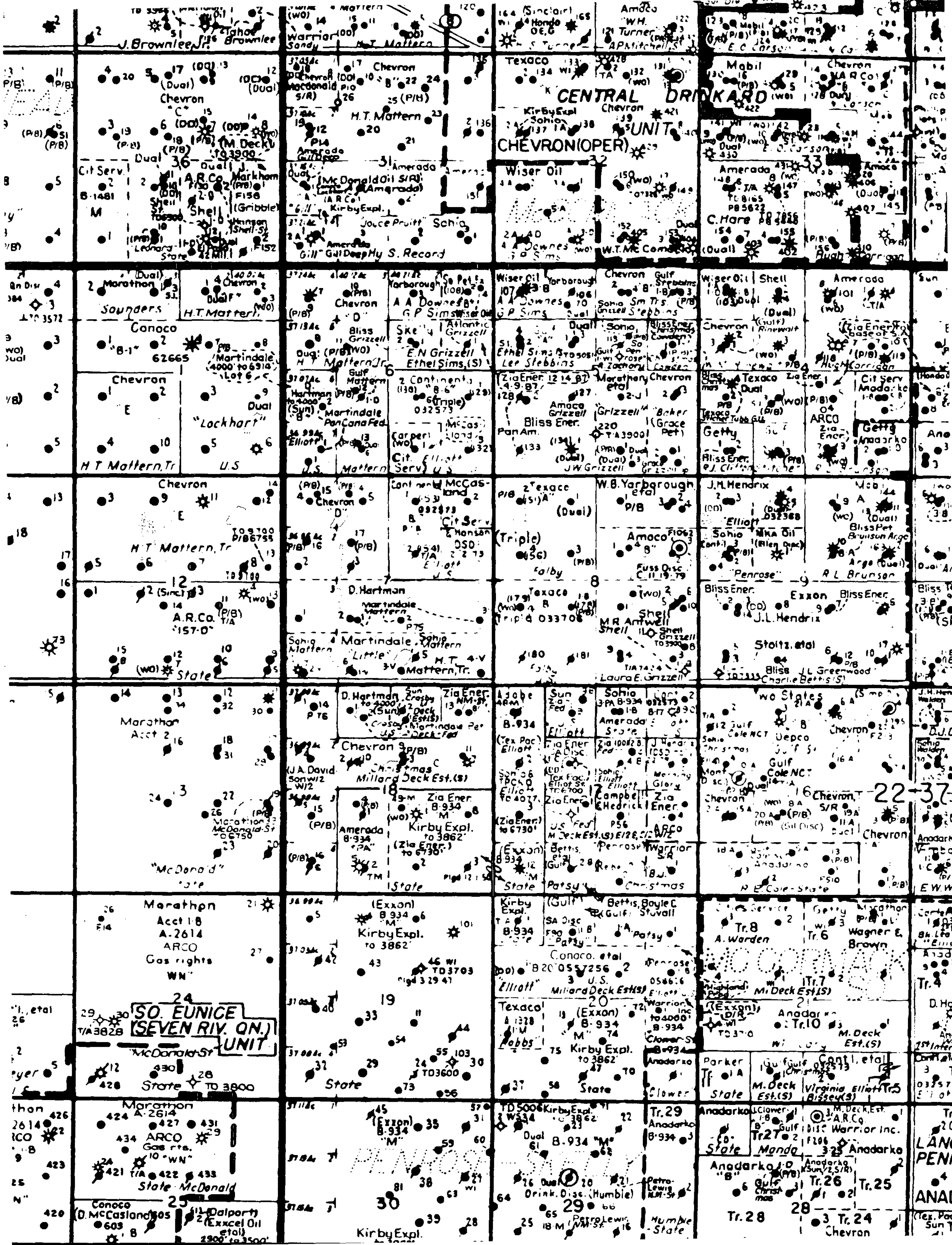
The Pan Cana Federal #1 has a net porosity feet of 112 in the Drinkard. The Drinkard is perforated at the following intervals: 6462-64, 6510-12, 6544-46, 6603-05, 6633-35, 6652-54 with 6 holes each interval for a total of 36 holes. The top of the Drinkard is at 6460 (-2993). The Tubb has a total net porosity feet of 67 and is perforated at following intervals: 6275, 76, 77, 6303, 05, 20, 21, 22, 67, 74, 83 with 2 holes each interval for 22 total holes. The top of Tubb is at 6160 (-2693). The Blinebry has a total net porosity feet of 74 and is perforated with 2 holes at each interval as follows: 5868, 87, 5900, 09, 17, 18, 19, 27, 36, 38 for a total of 20 holes. The top of the Blinebry is at 5708 (-2241). The total porosity feet in all intervals is 253. The allocation for the Drinkard would be 112/253=44%, for the Tubb 67/253=26% for the Blinebry 74/253=30%. Some of the perforations are in zones that do not fit the criteria and it is believed that these zones produce water. Enclosed are the logs from these two wells with porosity and water saturation on each zone on the log.

We appreciate your understanding and consideration in this matter.

Yours truly,

Mark Vetro
Vice-President

MV/cw
Encl: Plat, C-116, Water Analysis, Logs, Letters to Offset Operators and USGS, Treatment



J. Brownlee Jr.
Chevron
H.T. Mattern
Texaco
CENTRAL DRINKARD UNIT
CHEVRON(OPER)
Mobil
Chevron
36
31
32
33
A.R.Co. Markham
Wiser Oil
Amerada
Joyce Pruitt
Sohio
C. Hare
W.T. Mc Comb
Gill
Shell
Marathon
Saunders
H.T. Mattern
Conoco
Martindale
Chevron
"Lockhart"
H T Mattern, Tr
U.S.
Yarborough
Wiser Oil
A A Downes
G P Sims
E.N Grizzell
Ethel Sims (S)
Lee Stebbins
Bliss Ener.
Pan Am.
J.W. Grizzell
Amerada
Texaco
Getty
ARCO
6
Chevron
E
H.T. Mattern, Tr
12
A.R.Co.
State
D. Hartman
Martindale
H.T. Mattern, Tr.
W.B. Yarborough
(Triple)
Amoco
Falby
8
M.R. Antwell
Shell
Laura E. Grizzell
J.H. Hendrix
Elliott
Sohio
Penrose
9
R.L. Brunson
Bliss Ener.
Exxon
J.L. Hendrix
Stoltz, etal
Marathon
"McDonald"
Chevron
Christmas
Millard Deck Est. (S)
18
Zia Ener.
Kirby Expl.
Amerada
State
Sohio
Amerada
Campbell
Hendrick
Patsy
Christmas
Two States
Gulf
Chevron
16
22-37
R.E. Cole - State
Marathon
ARCO
Gas rights
24
SO. EUNICE
(SEVEN RIV. QN.)
UNIT
McDonald St
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Kirby Expl.
to 3862
19
State
Conoco, etal
U.S.
Millard Deck Est(S)
20
Texaco
Kirby Expl.
State
Clower
Anadarko
Tr. 8
A. Warden
Tr. 6
Wagner & Brown
Tr. 7
M. Deck Est(S)
Tr. 10
Parker
State
Marathon
ARCO
State McDonald
25
Conoco
Exxon
30
Kirby Expl.
29
Petro Lewis
Humble State
Tr. 29
Anadarko
Tr. 27
Anadarko
Tr. 26
Tr. 25
Tr. 28
28
Tr. 24
Chevron

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : MARTINDALE PETROLEUM
Date : 12-02-1988
Location: PANCANA FEDERAL - HEATER TREATER (on 12-01-1988)

	Sample 1
Specific Gravity:	1.116
Total Dissolved Solids:	162260
pH:	6.56
IONIC STRENGTH:	3.110

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	400	8000
Magnesium	(Mg^{+2})	152	1850
Sodium	(Na^{+1})	2270	52100
Iron (total)	(Fe^{+2})	0.344	9.60
Barium	(Ba^{+2})	0.013	0.900
ANIONS:			
Bicarbonate	(HCO_3^{-1})	2.00	122
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	24.5	1180
Chloride	(Cl^{-1})	2790	99000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	0.25	-5.9

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : Marathon Oil Company
Date : 04-08-1988
Location: J.W. Grizzell - Well #1; Middle Tank (on 03-28-1988)

	Sample 1
Specific Gravity:	1.051
Total Dissolved Solids:	71754
pH:	6.92
IONIC STRENGTH:	1.396

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	113	2260
Magnesium	(Mg^{+2})	133	1610
Sodium	(Na^{+1})	993	22800
Iron (total)	(Fe^{+2})	0.870	24.3
Barium	(Ba^{+2})	0.002	0.150
Manganese	(Mn^{+2})	0.011	0.292
ANIONS:			
Bicarbonate	(HCO_3^{-1})	11.4	695
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	65.6	3150
Chloride	(Cl^{-1})	1160	41200

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	0.42	-9.3

TELEPHONE: HOBBS 393-7751
AREA CODE - 505

KE-TONE®

UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH P. O. BOX 1499
HOBBS, NEW MEXICO 88240

Company Martindale Petroleum Corporation

Field Drinkard

Lease PANCANA FEDERAL #1 Sampling Date 6-26-78

Type of Sample Wellhead

WATER ANALYSIS

	IONIC FORM	me/l *	mg/l *
Calcium (Ca++)		460.00	9,200
Magnesium (Mg++)		232.20	2,786
Sodium (Na+)	(CALCULATED)	2,645.32	60,816
Iron (Total)			42
Barium			1.6
Bicarbonate (HCO_3)		4.20	256
Carbonate (CO_3)		Not	found
Hydroxide (OH-)		Not	found
Sulphate (SO_4)		27.32	1,312
Chloride (Cl-)		3,073.80	109,000
Total Dissolved Solids			183,370
6.8 pHC	68° F		
Dissolved Solids on Evap. at 103° - 105° C			
Hardness as Ca CO_3		692.20	34,610
Carbonate Hardness as $CaCO_3$ (temporary)		4.20	210
Non-Carbonate Hardness as $CaCO_3$ (permanent)		688.00	34,400
Alkalinity as $CaCO_3$		4.20	210
Specific Gravity c 68° F	1.126		

* mg/l = milligrams per Liter
* me/l = milliequivalents per Liter

$CaCO_3$ Scaling Index positive @ 86°F (0.81)

$CaSO_4$ Scaling Index negative (0.53)

Makes Water Work

UNICHEM INTERNATIONAL

601 NORTH LEECH P.O.BOX1499

HOBBS, NEW MEXICO 88240

COMPANY : MARATHON
DATE : 3-16-83
FIELD,LEASE&WELL : BLINEBRY A
SAMPLING POINT: WELLHEAD
DATE SAMPLED : 3-16-83

SPECIFIC GRAVITY = 1.09
TOTAL DISSOLVED SOLIDS = 133804
PH = 6.07

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	200	4008
MAGNESIUM	(MG)+2	130	1580.
SODIUM	(NA),CALC.	1969.	45277.
ANIONS			
BICARBONATE	(HCO3)-1	12.4	756.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	87.4	4200
CHLORIDES	(CL)-1	2199	77982
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		62.4
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	.061
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	22.4
CALCIUM SULFATE SCALING	LIKELY

UNICHEM INTERNATIONAL

601 NORTH LEECH P.O.BOX1499

HOBBS, NEW MEXICO 88240

COMPANY : MARATHON
DATE : 3-16-83
FIELD,LEASE&WELL : BLINEBRY C
SAMPLING POINT: WELLHEAD
DATE SAMPLED : 3-16-83

SPECIFIC GRAVITY = 1.104
TOTAL DISSOLVED SOLIDS = 154235
PH = 6.37

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	320	6412.
MAGNESIUM	(MG)+2	130	1580.
SODIUM	(NA),CALC.	2212.	50869.
ANIONS			
BICARBONATE	(HCO3)-1	8.8	536.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	59.4	2857.
CHLORIDES	(CL.)-1	2594.	91979.
DISSOLVED CASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		1.8
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	.561
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	18.8
CALCIUM SULFATE SCALING	LIKELY

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : METEX
Date : 05-26-1989
Location: Deck Federal - #1 - Wellhead (on 5-23-89)

	Sample 1
Specific Gravity:	1.103
Total Dissolved Solids:	144221
pH:	6.80
IONIC STRENGTH:	2.962

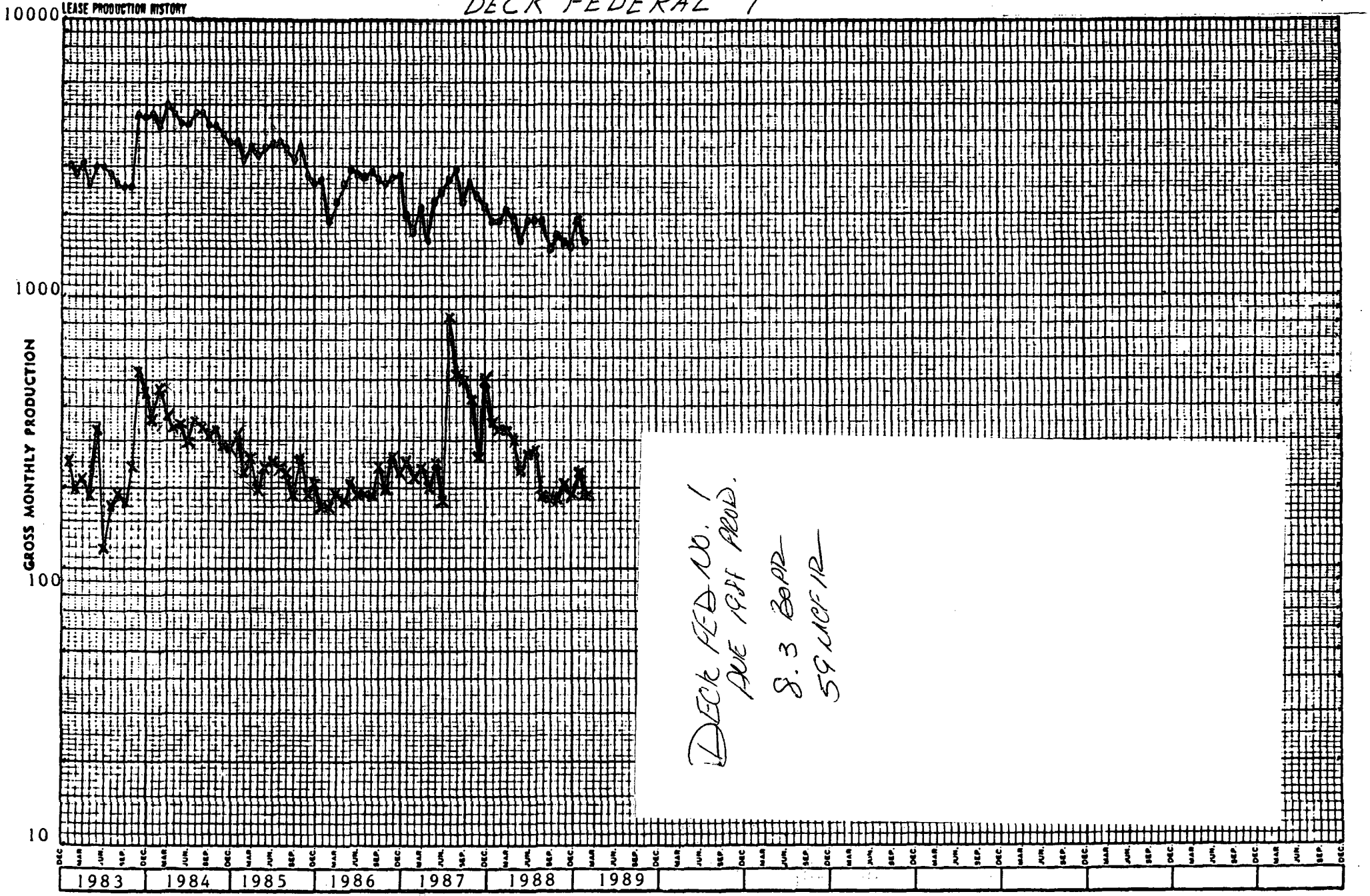
CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	364	7280
Magnesium	(Mg^{+2})	416	5050
Sodium	(Na^{+1})	1770	40800
Iron (total)	(Fe^{+2})	0.319	8.90
Barium	(Ba^{+2})	0.007	0.500
ANIONS:			
Bicarbonate	(HCO_3^{-1})	4.40	268
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	38.5	1850
Chloride	(Cl^{-1})	2510	89000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	0.74	4.3

X-OIL BBLS
●-GAS MCF

DECK FEDERAL #1



MARTINDALE #1 DECK FEDERAL WELL
RECOMPLETION TO BLINEBRY ZONES

6/25/87 Rig W.S.U., POH w/ pump & rods, Install BOP, unseat tbg. anchor - P.O.H. W/2-3/8" tbg., R.I.H. W/5 1/2" LOK-set RBP & Set @ 6066', P.O.H., Rig Sch. & perforated W/4" HyperJet II steel carrier gun - 180 degree phasing W/2 JSPF at the following intervals: 5460-67-71-82-5523-27-63-65-74-5620-26-42-47-5727-29-32-71-73-79-5808-10-14-16-56-5960-76-88 (total 54 holes), R.I.H. W/5 1/2" MD. "R" PKR. on 2 3/8" tbg., 2 stds - SDFN at 9:00 p.m.

6/26/87 R.I.H. set PKR. @ 6012' & tested RBP to 1000 psi. - OK, unseated PKR. - unable to reset (perf. debris), P.O.H., R.I.H. W/exchange PKR., drop stdg. valve & tested 2 3/8" tbg. string to 4,000 psi - OK. Set PKR @ 5910' - opened by-pass to spot 2 bbls. 15% Hcl Acid, psred. & Broke formation at 3150 psi, W/spot acid rate 3 b/m at 3150# T.P. - I.S.I.P. - 1800 psi, Acidized zone #1 perfs. 5960-88 W/1000 gals. NE-FE 15% Hcl Acid W/RCNBS, Avg. Rate 3.3 b/M at 2750 psi T.P. - did not ball out - I.S.I.P. - 1450 psi. 5 mins. - 1400 psi, unseat PKR., RIH to retrieve R.B.P. @ 6066', unable to unseat, circ. hole W/50 bbls. 2% Kcl wtr., attempt to unseat R.B.P. - unable, P.O.H. - layed down PKR., Prep R.I.H. W/overshot to retrieve RBP - SDFN @ 6:00 p.m.

6/27/87 R.I.H. w/overshot on 2 3/8" tbg., pull thru perfs. - well on strong vaccume from old Drinkard Zone, P.O.H., R.I.H. W/R.B.P. & MD. "R" PKR., set RBP at 5910' & tested W/1000 psi - OK. Spot 2 bbls. acid across perf. internal 5860-5776', set PKR. @ 5684', psred. & broke formation at 2700 psi, pumped spot acid at 3 b/m rate - 3150 # psi T.P., acidized 2nd zone 5860' - 5776' W/2200 gals. 15% NE-FE Hcl acid W/RCNBS - Avg. rate 3.3 b/min. @ 3000 psi T.P., I.S.I.P. - 1900 psi - 5 mins. 1800 psi - did not ball out, pull up to islolate 3rd zone, unable to reset R.B.P., P.O.H., R.I.H. W/cup-type R.B.P. & Md. "R" PKR. & set at 5300' - would not hold psr., unseat R.B.P. & pkr., Prep. P.O.H. SDFN @ 8:00 p.m.

6/28/87 P.O.H. ReRun R.B.P. & Md. "R" pkr. on 2 3/8" tbg. Set R.B.P. at 5684' & tested 1000 psi - OK, spot 2 bbls. acid across perf. int. zone #3 5650-5566. Pull PKR. & set at 5395'. Pumped spot acid - form. breaking psr. 2100 psi at 3.2 b/min. rate @ 2600 psi - 1500 psi I.S.C.P. Acidized W/2600 gals. 15% NE FE Hcl Acid W/RLNBS - Avg. Rate 3.3 b/min. at 2300 psi T.P. W/several formation breaks, balled off W/Maximum pressure 5400 psi ISIP - 1400 psi - 5 mins. 1375 psi - 10 mins 1325 psi, unseat pkr. & R.B.P. & ran to 6066', could not set R.B.P. due to vac. tearing rubber from

pkrs., P.O.H. & Reran, set R.B.P. at 6066' - tested 1000 psi - OK. Pull & set Pkr. at 5395' - tested 800 psi - OK, SDFN at 7:00 p.m., Prep. swab for clean up & test.

6/29/87 S.I.T.P. - 45 psi, 1st S.R. - F.L. 1000' F.S., Swbed well down - Rec'd. Total 41 bbls. fluid / 8 hrs. est. 2 bbls. oil & 39 bbls. load wtr., last hr. swbg. rec'd 1.34 bbls. fluid est. 10% oil & 90% load water w/slt gas - 2 SR's SDFN @ 4:30 p.m. - Cont. swb. - frac Wednesday.

6/30/87 S I.T.P. - 425 psi, Bled well down in 15 mins., 1st S.R. - F.L. 3700' F.S. - 100% to 20% oil, swabbed total 12 bbls. Fluid/5 hrs. est. 5 bbls. oil + 7 bbls load water, S.D. @ 12:30 pm. prep. frac.

7/1/87 S.I.T.P. - 500 psi., bled well down in 10 minutes, 1st S.R. - F.L. 4300' F.S. 100% to 20% oil, swabbed total 8.18 bbls. fluid/2 hrs., est. 1.6 bbl. oil + 6.5 bbl. water. Rigged up Western Co. & frac with 47,000 gals. MMII dwn 2 3/8" tbg. with 52,500# 20/40 sand. AIR = 17.3 B/M AIP = 4800#. SD @ 12 noon. Reverse sand in am.

7/2/87 S.I.T.P. - Vaccum, unseated PKR, RIH & tagged sand at 5990' (70' fill) - circ. sand, P.O.H. RIH w/ 2 3/8" tbg. for production setting to produce Blinebry perforations - S.N. @ 6008'. 166 jts. 2 3/8" tbg., set tbg anchor w/ 10 pts. tension and flanged well head. Rig Swab & swbed 82 bbls. load wtr., 1118 bbls. load wtr. to be recovered. Prep. run pump & rods to recover load & test with pumping.

7/3/87 Ran pump and rods and commenced pumping to btry. with the #2 Deck - Federal well at 10:00 A.M. - Btry prod. for 18 hours, 34.50 bbls. oil, produced water goes to disposal system and is not measured. Est. #1 well producing 110 bbls water per day while recovering load water.

7/4/87 Btry produced 34.5 bbls. oil. Est. 1030 bbls load water to be recovered.

7/5/87 Btry produced 44 bbls oil - est. 920 bbls load to be rec'd. No show oil with slight gas show.

7/6/87 Btry. prod. 27.5 bbls. oil - est. 810 bbls load to be rec'd. Good gas show on csg. & bleeder, no oil show.

7/7/87 Btry. prod. 9.63 bbls oil - est. 700 bbls. load to be rec'd. Slt. oil show at bleeder with increase gas.

7/8/87 Btry. Prod. 92.13 bbls. oil, est. 700 bbls. to be recovered. Slt. show at bleeder (oil flow from csg. probable). Est. 230 mcfgpd.

7/9/87 Btry. prod. 61.88 bbls oil, est. 590 bbls. to be rec'd. 20% oil cut at bleeder.

7/10/87 Btry. prod. 46.75 bbls. oil, est. 480 bbls. load to be rec'd.

7/11/87 Btry. prod. 52.25 bbls. oil, est. 370 bbls. load to be rec'd.

7/12/87 Btry. prod. 57.75 bbls. oil, est. 260 bbls. load to be rec'd.

7/13/87 Btry. prod. 52.25 bbls. oil, est. 150 bbls. load to be rec'd.

7/14/87 Btry. prod. 38.5 bbls. oil, est. 40 bbls. load to be rec'd.

7/15/87 Btry. prod. 41.25 bbls. oil, est. 70 bbls. over load, well down est. 6 hrs. due to electrical storm, knocked out fuse.

7/16/87 Btry. prod. 53.63 bbls. oil, est. 180 bbls. over load, C.P. - 14 psi., est. 230 mcfgpd.

7/17/87 Btry. prod. 46.56 bbls. oil, est. 290 bbls. over load, C.P.- 14 psi., est. 230 mcfgpd. The AFE for this workover was $ 41,527.00, the est. actual cost was $ 41,356.00. At the present price of 20.00/bbl. a payout of 2 1/2 to 3 months should be realized. The increased gas volume should better than offset operational costs.

ME-TEX SUPPLY COMPANY

(505) 397-7753 P. O. BOX 2070 HOBBS, NEW MEXICO 88241

April 26, 1989

Chevron
P.O. Box 670
Hobbs, NM 88240

RE: Administrative Approval for Downhole Commingling in Deck Federal #1 in NW/4NE/4 of S18-T22-R37

Gentlemen:

Me-Tex Supply Company has petitioned the Oil Conservation Commission for approval to downhole commingle the above well.

The well had reached an uneconomical point in the Drinkard and we have perforated the Blinebry in hopes of increasing production.

This letter is just to let you know of our application.

Yours truly,

Mark Veteto
Vice-President

MV/cw

ME-TEX SUPPLY COMPANY

(505) 397-7753 P. O. BOX 2070 HOBBS, NEW MEXICO 88241

April 26, 1989

Sun Oil Company
P.O. Box 1861
Midland, Texas 79702

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Vice-President

MV/cw

ME-TEX SUPPLY COMPANY

(505) 397-7753 P. O. BOX 2070 HOBBS, NEW MEXICO 88241

April 26, 1989

Zia Energy
P.O. Box 2219
Hobbs, NM 88240

RE: Administrative Approval for Downhole Commingling in Deck Federal #1 in NW/4NE/4 of S18-T22-R37

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Vice-President

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ME-TEX SUPPLY COMPANY

(505) 397-7753 P. O. BOX 2070 HOBBS, NEW MEXICO 88241

April 26, 1989

United States Geological Survey
P.O. Box 1157
Hobbs, NM 88240

RE: Administrative Approval for Downhole Commingling in Deck Federal #1 in NW/4NE/4 of S18-T22-R37

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Vice-President

MV/cw

7

Schlumberger

SIDEWALL NEUTRON POROSITY LOG

COUNTY Lea FIELD Drinkard LOCATION 890' FNL & 2210' FEL WELL DECK-FEDERAL #1 COMPANY MARTINDALE PETROLEUM CORPORATION

COMPANY MARTINDALE PETROLEUM CORPORATION

WELL DECK-FEDERAL #1

FIELD Drinkard

COUNTY Lea STATE NEW MEXICO

LOCATION 890' FNL & 2210' FEL

API SERIAL NO.	SEC.	TWP	RANGE
	18	22-S	37-E

Other Services: DLL/R...

Permanent Datum: Ground Level ; Elev.: 3415

Log Measured From K.B. 11.5 Ft. Above Perm. Datum

Drilling Measured From K.B.

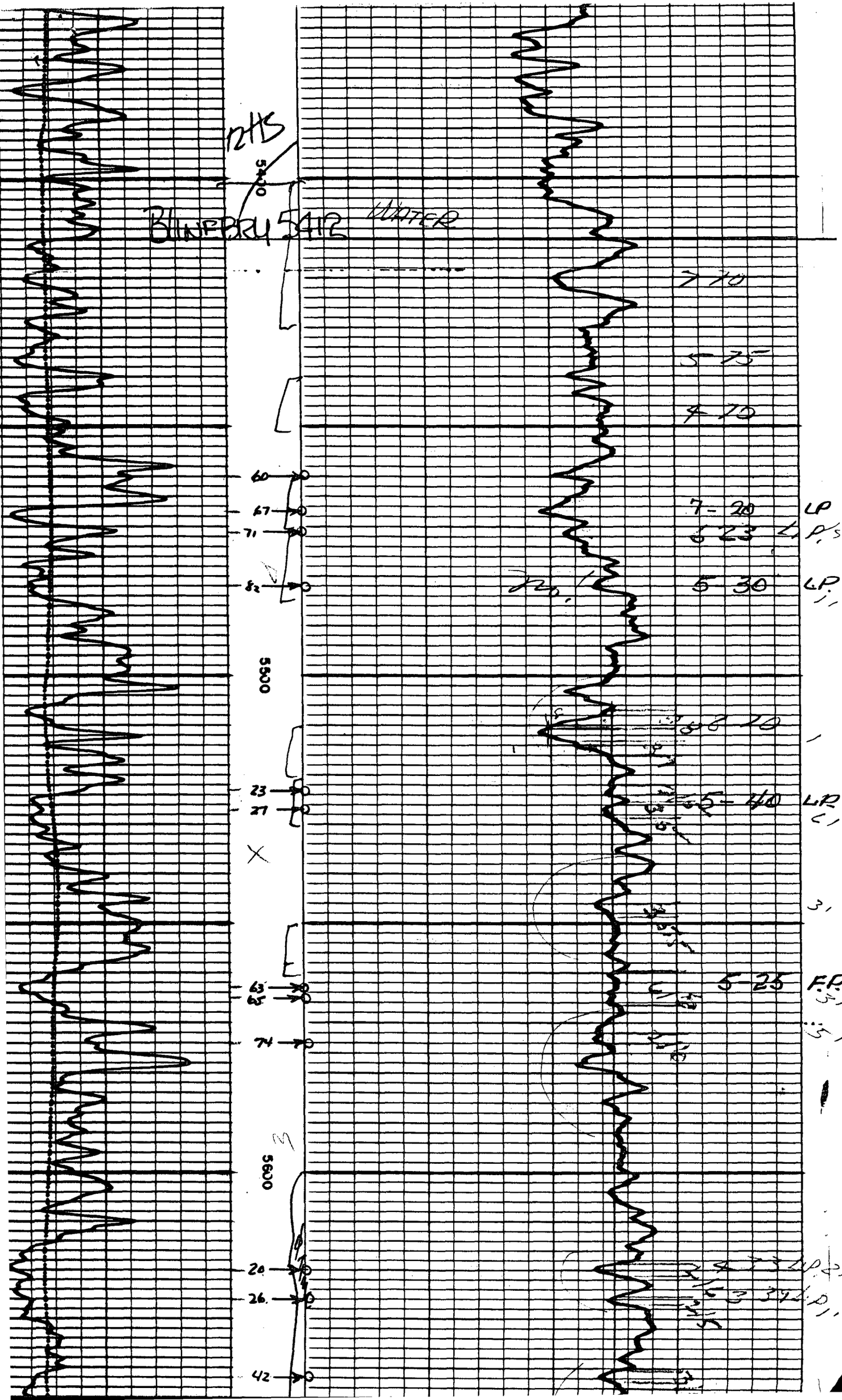
Elev.: K.B. 3427
D.F. 3424
G.L. 3415

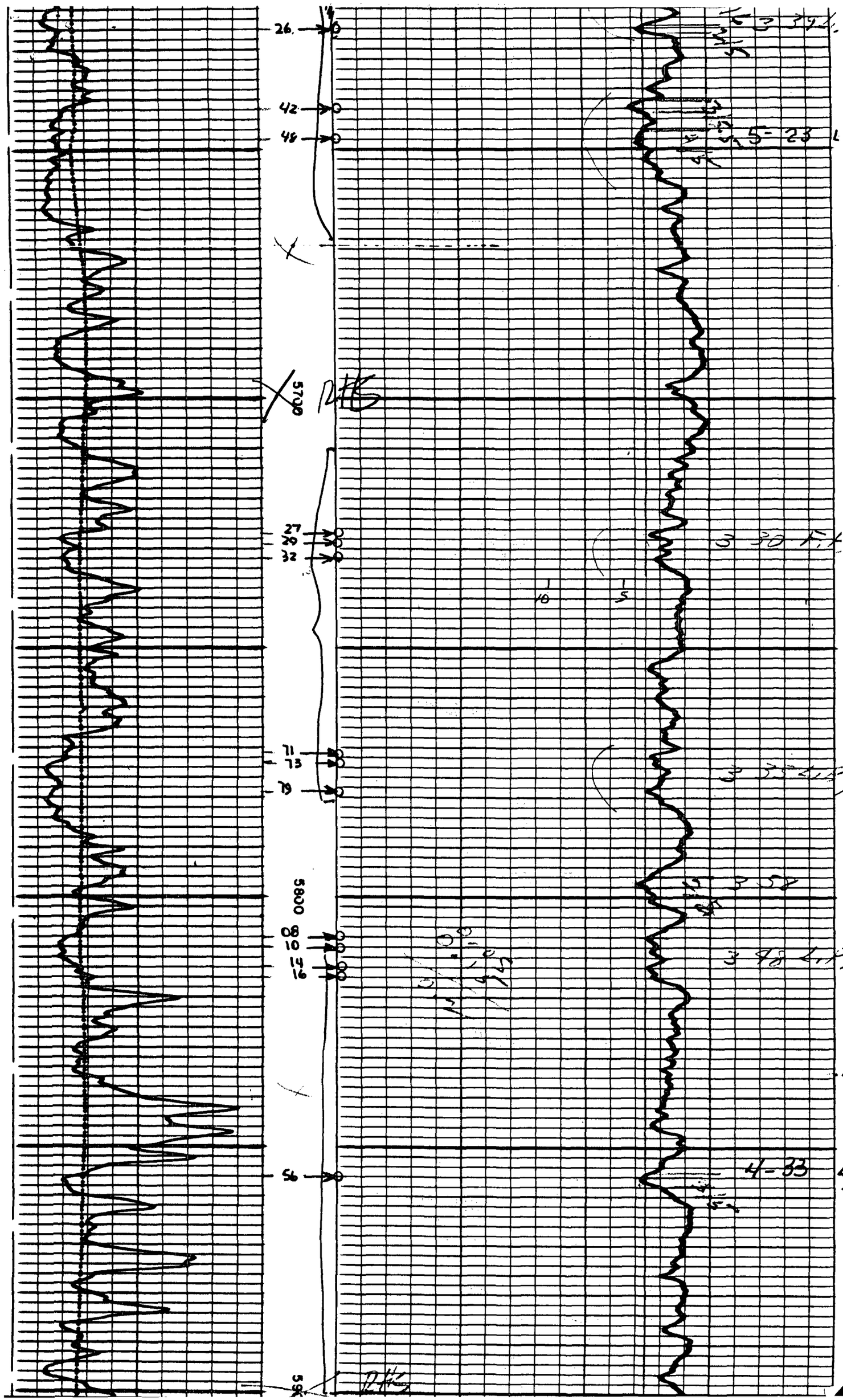
Date	Dec 2 ...			
Run No.	ONE			
Depth—Driller	6150			
Depth—Logger (Schl.)	6165			
Btm. Log Interval	6164			
Top Log Interval	2500			
Casing—Driller	5 5/8 @ 1069	@	@	@
Casing—Logger	1066			
Bit Size	7 7/8			
Type Fluid in Hole	Brine			
Dens. / Visc.	10.1 / 32			
pH / Fluid Loss	9 / 14 ml	ml	ml	ml
Source of Sample	P.T.			
Rm @ Meas. Temp.	.045 @ 53 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.041 @ 50 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	C / -			
Rm @ BHT	.042 @ 96 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	12:30			
TIME Logger on Bottom	12:00			
Max. Rec. Temp.	96 °F	°F	°F	°F
Equip. / Location	5641 / Hobbs			
...ded By	Newman			
...d By Mr.	Yates			

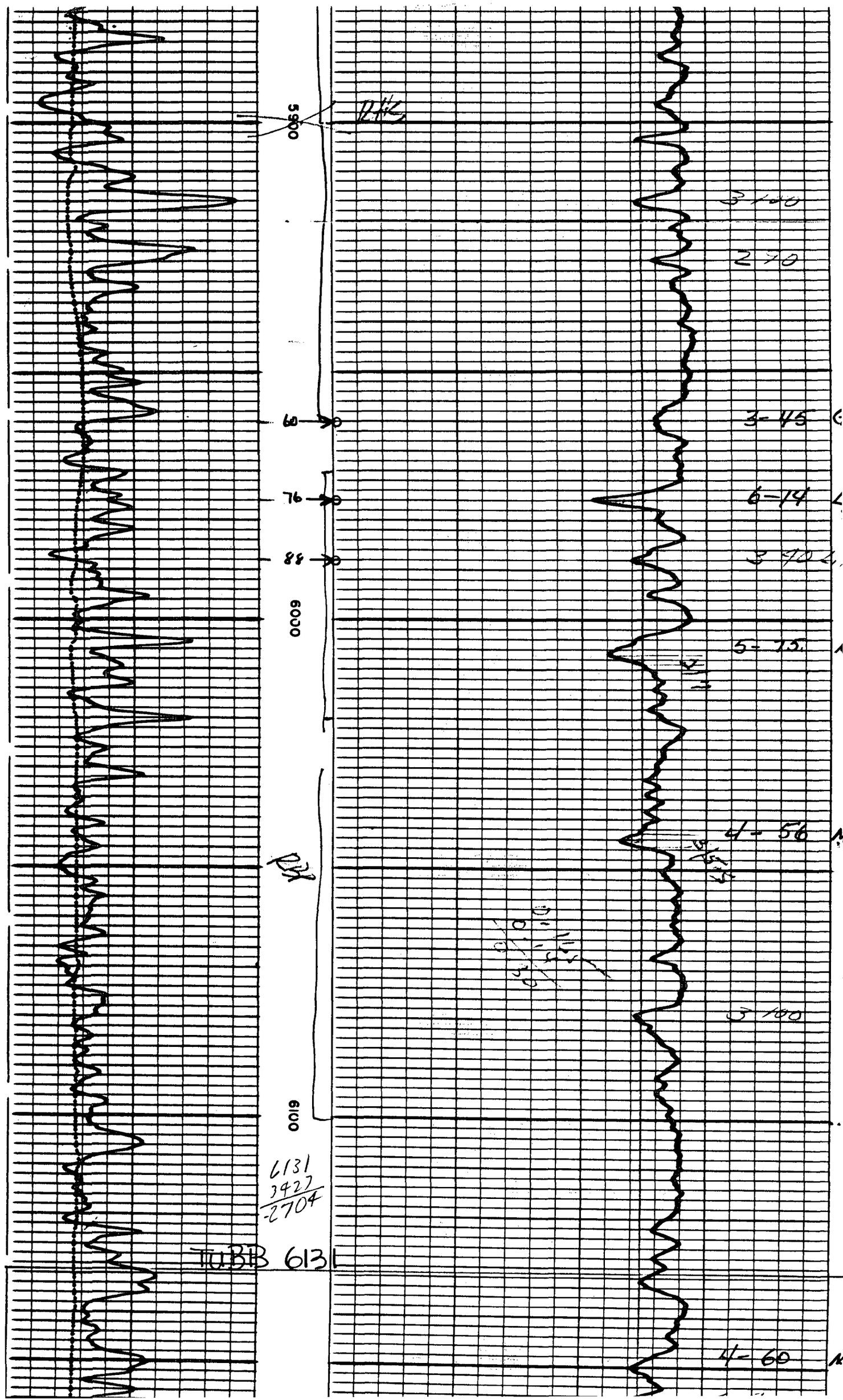
B.L. Copy 12/22/77

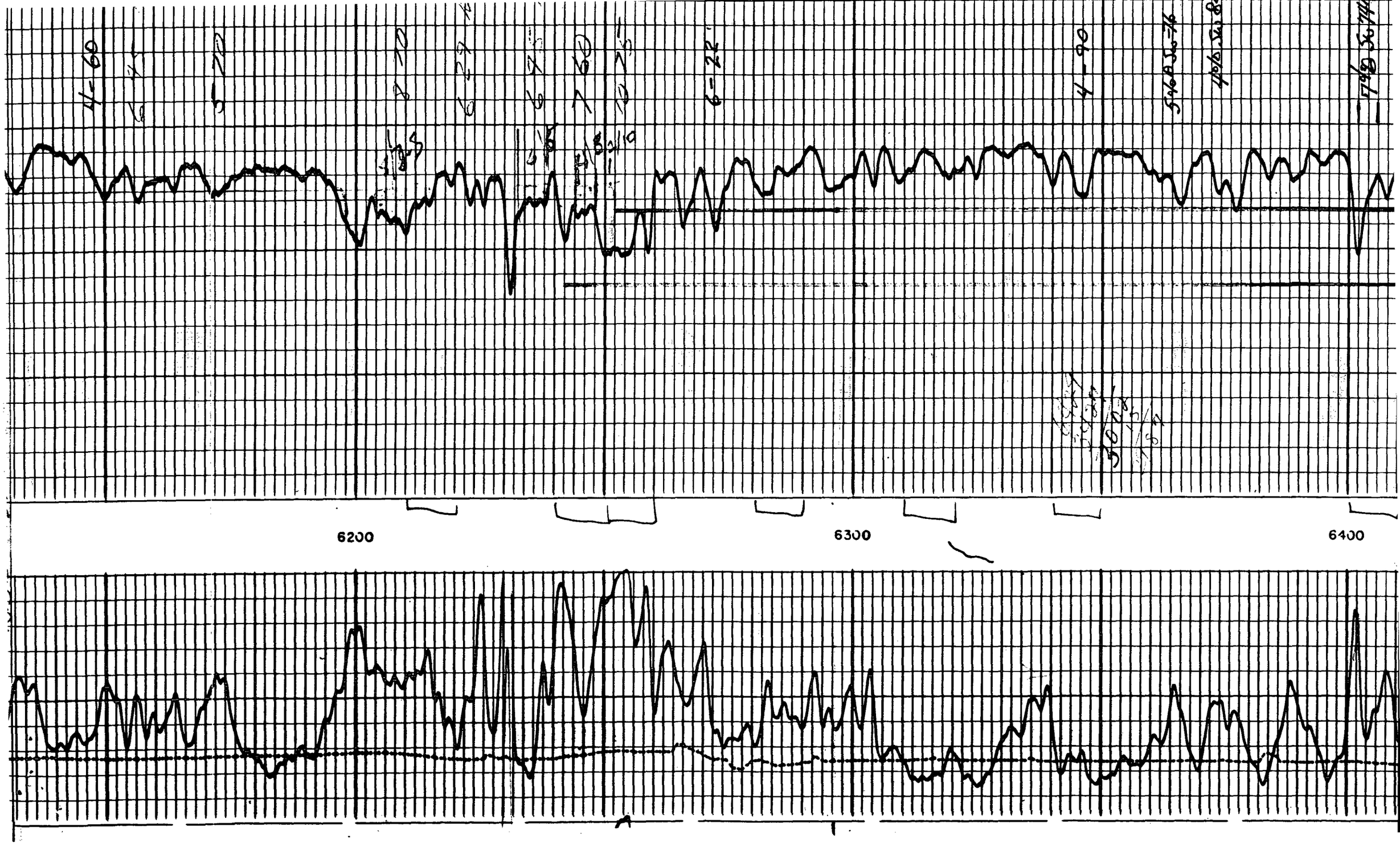
FOLD HERE

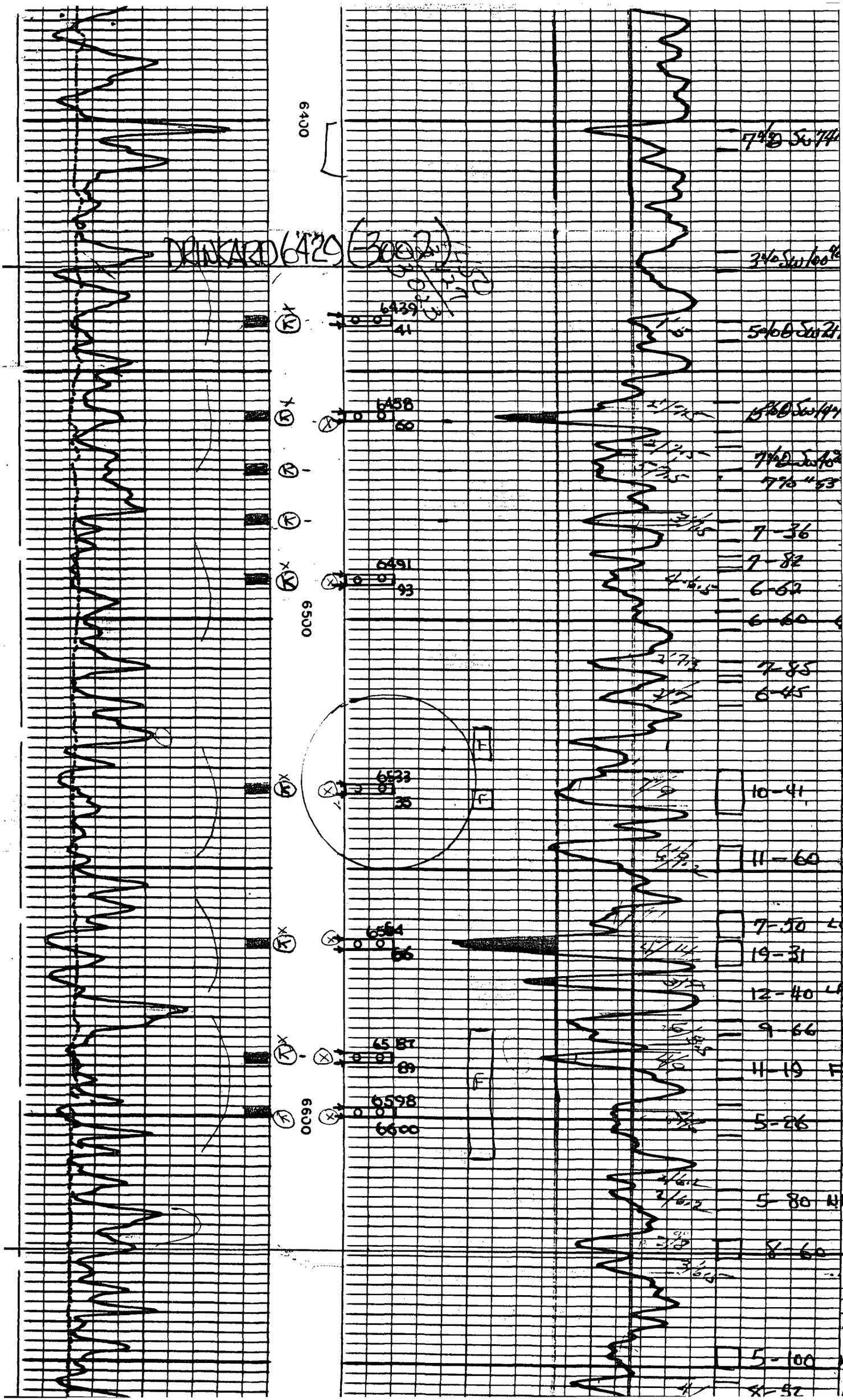
The well name, location and borehole reference data were furnished by the customer.

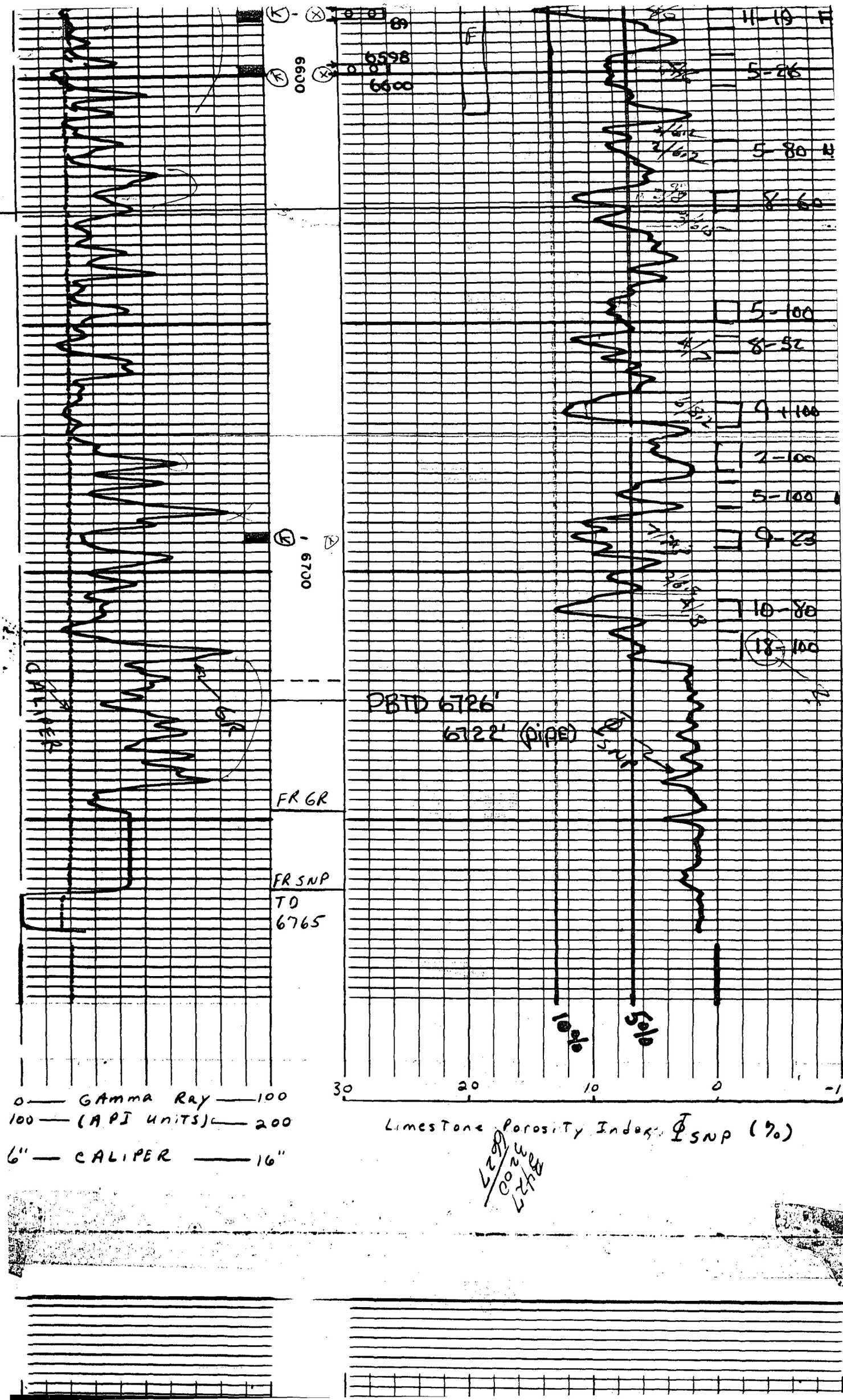

12HS
BLUEBERRY FAIR
WINTER
5600
60
67
71
82
5600
23
27
63
65
74
5600
20
26
42
7-20 LP
6 23 LP
5 30 LP
5 40 LP
5 25 FP


26
42
48
5700
27
29
32
71
73
79
5800
08
10
14
16
56
58


5900
60
76
88
6000
6100
3-45
6-14
5-75
4-56
3-100
4-60
6131
3427
-2704
TUBB 6131


6200
6300
6400


DUNKARD 6429 (-3002)
6400
6500
6600
6439
41
6458
60
6491
93
6533
35
6564
66
6587
89
6598
6600
7% @ Sw 74
3% Sw 100
5% @ Sw 21
15% @ Sw 49
7% @ Sw 10
7% "53
7 - 36
7 - 82
6 - 62
6 - 60
7 - 85
6 - 45
10 - 41
11 - 60
7 - 50
19 - 31
12 - 40
9 - 66
11 - 19
5 - 86
5 - 80
8 - 60
5 - 100
X - 52


6598
6600
6700
CALIPER
GR
FR GR
FR SNP
TD
6765
PBTD 6726'
6722' (pipe)
11-16
5-26
5-80
8-60
5-100
8-52
9-100
7-100
5-100
9-23
10-80
18-100
0 — GAMMA RAY — 100
100 — (API UNITS) — 200
6" — CALIPER — 16"
30
20
10
0
-1
Limestone Porosity Index, ϕ_{SNP} (%)

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

6-14-89

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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OIL CONSERVATION DIV.
SANTA FE

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

Gentlemen:

I have examined the application for the: Deck Federal #1-B 18-22-37
Me-Tex Supply Co. Pancana Federal #1-M 6-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed