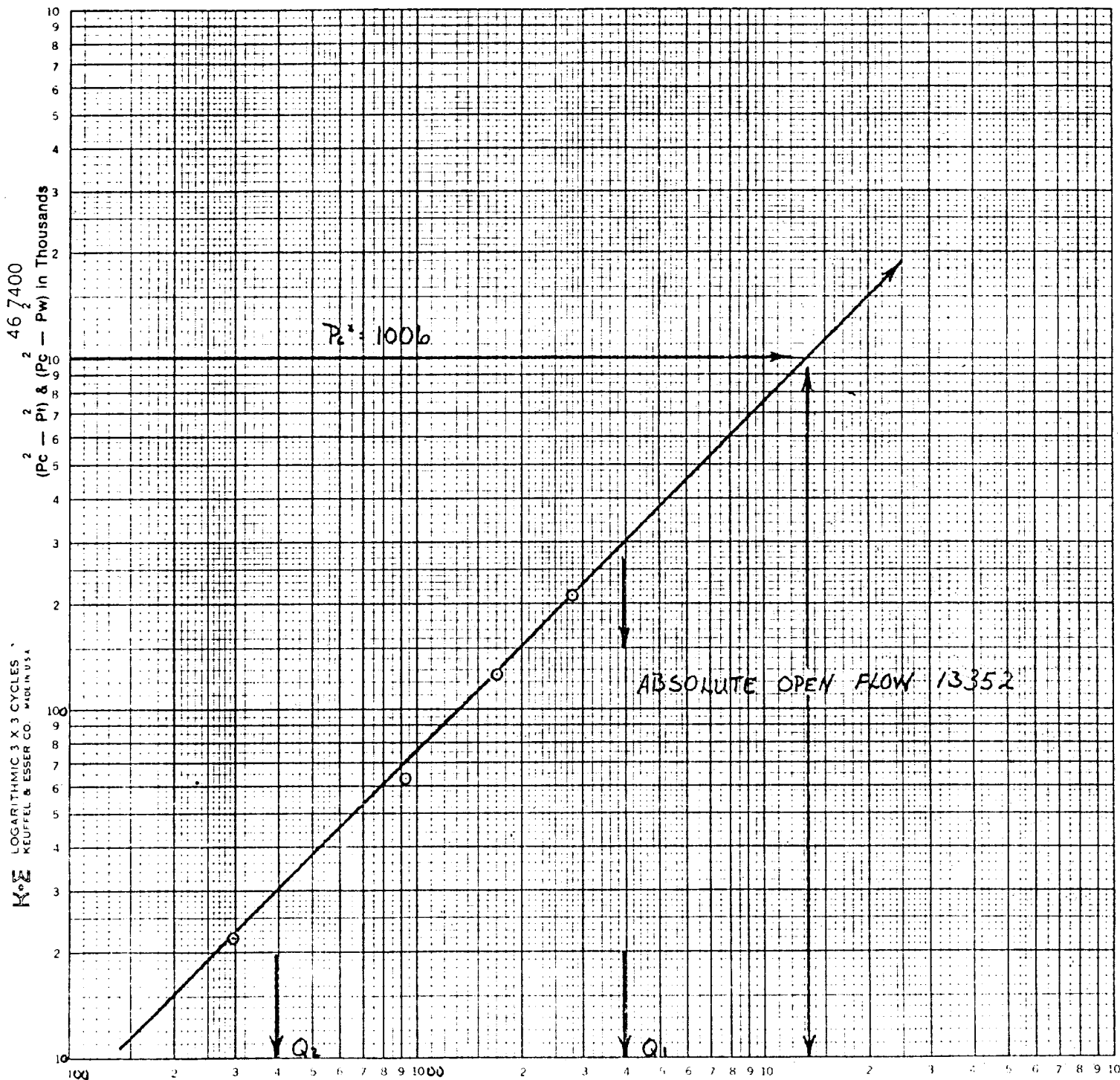


BACK PRESSURE CUR

Operator Stevens Operation Nichols Dale Fed Well No. 7
 County Chaves Field Pecos Slope Location 33 75 26E
 Date of Test 1-16-84 Slope "n" 1.000 Angle of Slope 45

Calc. Abs. Potential 13352 MCF/D



$$\overline{\Delta P}_1^2 \quad P_c^2 - P_w^2 = \underline{300}$$

$$\overline{\Delta P}_2^2 \quad P_c^2 - P_w^2 = \underline{30}$$

$$Q_1 = \underline{3950}$$

$$Q_2 = \underline{395}$$

Q In MCF/Day

$$\text{LOG } Q_1 = \underline{3.5966}$$

$$\text{LOG } Q_2 = \underline{2.5966}$$

$$n = \underline{1.000}$$

Casper, WY 82601

Date Sampled 01/15/84

ARTES A

Pressure on Bomb 625

PSIG; Line Pressure 638.2 PSIA PSIG

Press. Base: 14.73

Calc. Specific Gravity	.736
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Reid Vap. Press. #/Sq.In.

-lb Gasoline	1.027
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Ave Cu Ft/Gal

Calculated By Jeffrey A. Propp

Ethane + GPM 2.304

distribution:

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY STEVENS OPERATING WELL NAME NICHOLS DALE FEDERAL #7
DATE OF TEST 1-16-84 FORMATION PAGE 1 OF 1
COMPANY MAN MIKE VOWELL

ELEMENT NUMBER	RPG3#37882	RANGE	3500 LBS.
CLOCK NUMBER	27744	RANGE	48 HOUR
ELEMENT NUMBER	RPG3#7201	RANGE	3200 LBS.
CLOCK NUMBER	31768	RANGE	48 HOUR
TIME WELL SHUT IN	0500 HOUR	1-10-84	
TIME CLOCK STARTED	1026 HOUR	1-16-84	
DEAD WEIGHT ELEMENT ON SURFACE	898.2 PSIA	SHUT IN	LBS.
TIME ELEMENT REACHED BOTTOM	1100 HOUR	1-16-84	
DEAD WEIGHT ELEMENT ON BOTTOM	898.2 PSIA	SHUT IN	LBS.
ELEMENT SET AT	4180		FEET
TEMPERATURE	4180	FT.	105 °F.
898.2 PSIA	DEAD WEIGHT AT THE END OF	157 HOURS	45 MINUTES

[illegible]

TEST DATE: 1-16-84

TEST DEPTH: 4180 FT.

ELEMENT NO.: RPG3#37882 RPG3#7201

RANGE: 3500 LBS. 3200 LBS.

CLOCKS: 27744 31768

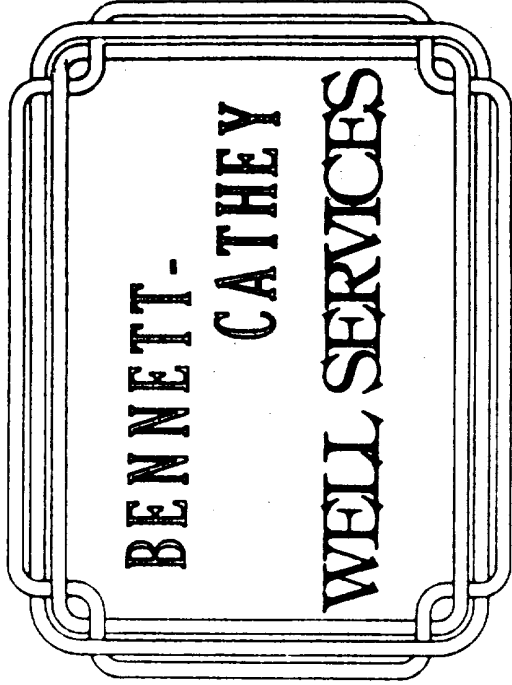
RANGE: 48 HOUR 48 HOUR

OPERATOR: RICHARD TOWNLEY

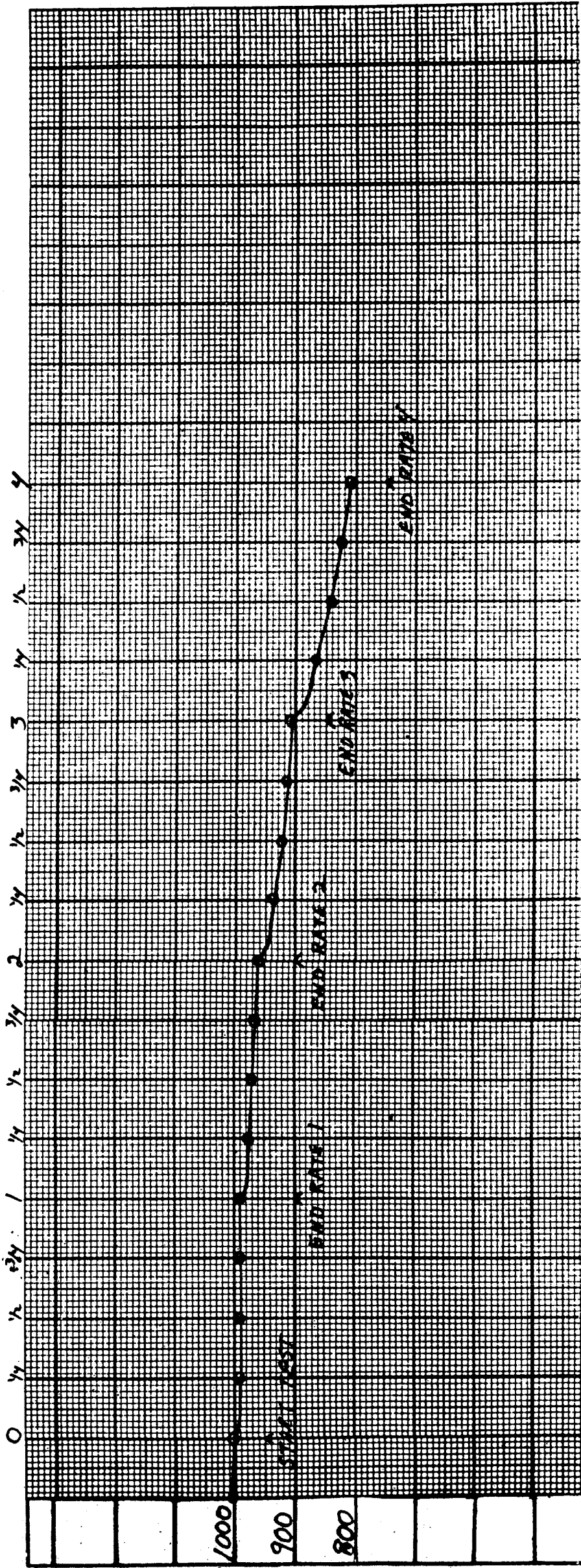
Note: See Attached Sheet for Tabulation of Pressure
And Time.

4 POINT BACK RPRESSURE TEST

MIKE VOWELL
STEVENS OPERATING
NICHOLS DALE FEDERAL #7
BENNETT-CATHEY WIRE LINE SERVICE Box 787 Artesia, N.M. 88210 505/746-3281
Drawn By Scale: As Shown



← TIME IN HOURS →



(505) 746-3354 / Artesia, New Mexico 88210

COMPANY STEVENS OPERATING WELL NAME NICHOLS DALE FEDERAL #7
DATE OF TEST 1-16-84 TO 1-17-84 FORMATION _____ PAGE 1 OF 1
COMPANY MAN MIKE VOWELL

ELEMENT NUMBER	RPG3#37882	RANGE	3500 LBS.
CLOCK NUMBER	27744	RANGE	48 HOUR
ELEMENT NUMBER	RPG3#7201	RANGE	3200 LBS.
CLOCK NUMBER	31768	RANGE	48 HOUR
TIME WELL SHUT IN	1045 HOUR	1-16-84	
TIME CLOCK STARTED	1026 HOUR	1-16-84	
DEAD WEIGHT ELEMENT ON SURFACE	638.2 PSIA	SHUT IN	LBS.
TIME ELEMENT REACHED BOTTOM	1100 HOUR	1-16-84	
DEAD WEIGHT ELEMENT ON BOTTOM	638.2 PSIA	SHUT IN	LBS.
ELEMENT SET AT	4180		FEET
TEMPERATURE	4180	FT.	105° °F.
895.2 PSIA	DEAD WEIGHT AT THE END OF	36 HOURS	34 MINUTES

[illegible]

TEST DATE: 1-16-84 TO 1-17-84
TEST DEPTH: 4180 FT.
ELEMENT NO.: RPG3#37882 RPG3#7201
RANGE: 3500 LBS. 3200 LBS.
CLOCKS: 27744 31768
RANGE: 48 HOUR 48 HOUR
OPERATOR: 80 FAULKENBERRY

Note: See Attached Sheet for Tabulation of Pressure
And Time.

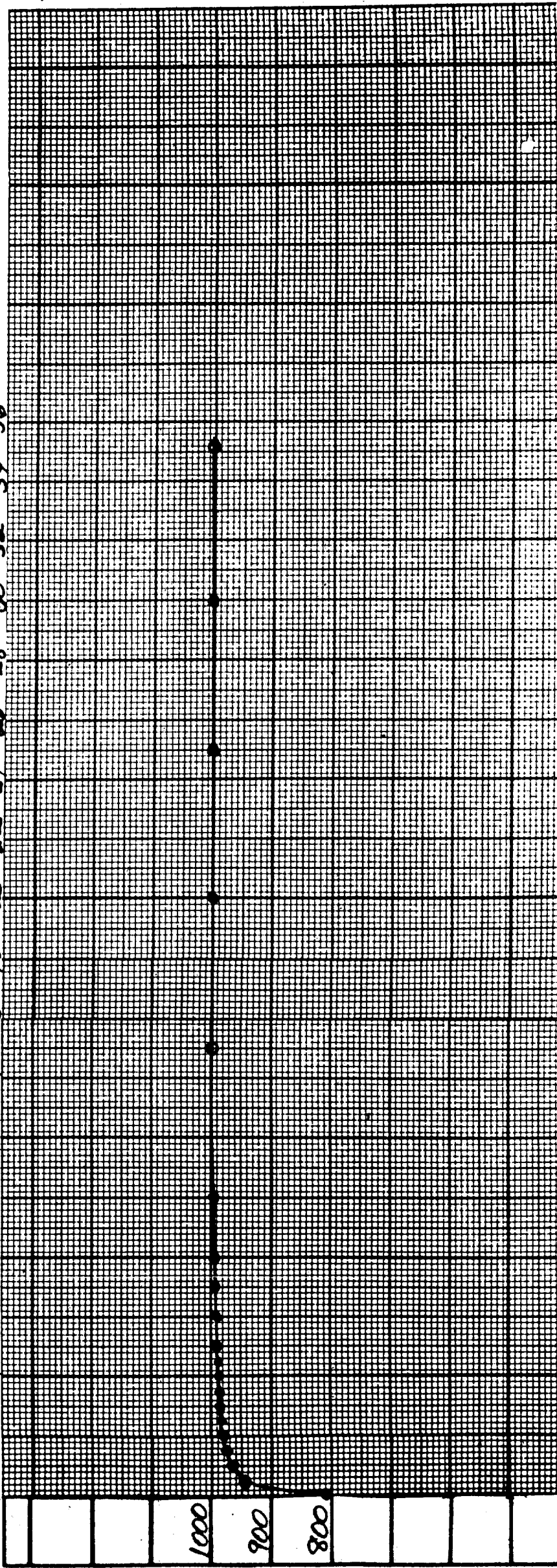
35 HOUR BUILD UP TEST

MIKE VOWELL
STEVENS OPERATING
NICHOLS DALE FEDERAL #7
BENNETT-CATHEY WIRE LINE SERVICE Box 787 Artesia, N.M. 88210 505/746-3281
Drawn By _____ Scale: As Shown



0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

← TIME IN HOURS →



BENNETT-CATHEY WIRE LINE SERVICE

P.O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone (505) 746-3281

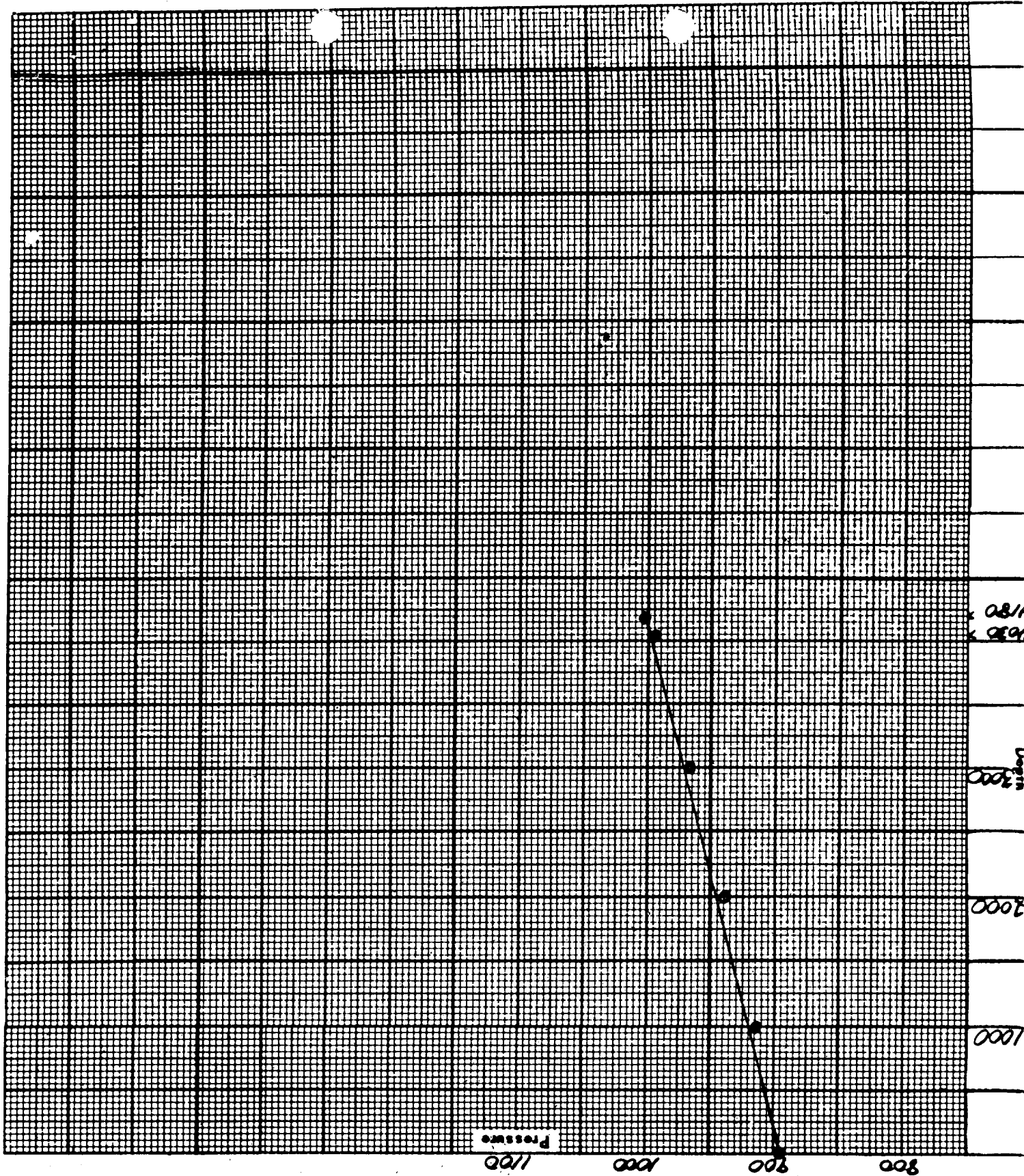
BOTTOM HOLE PRESSURE SURVEY REPORT

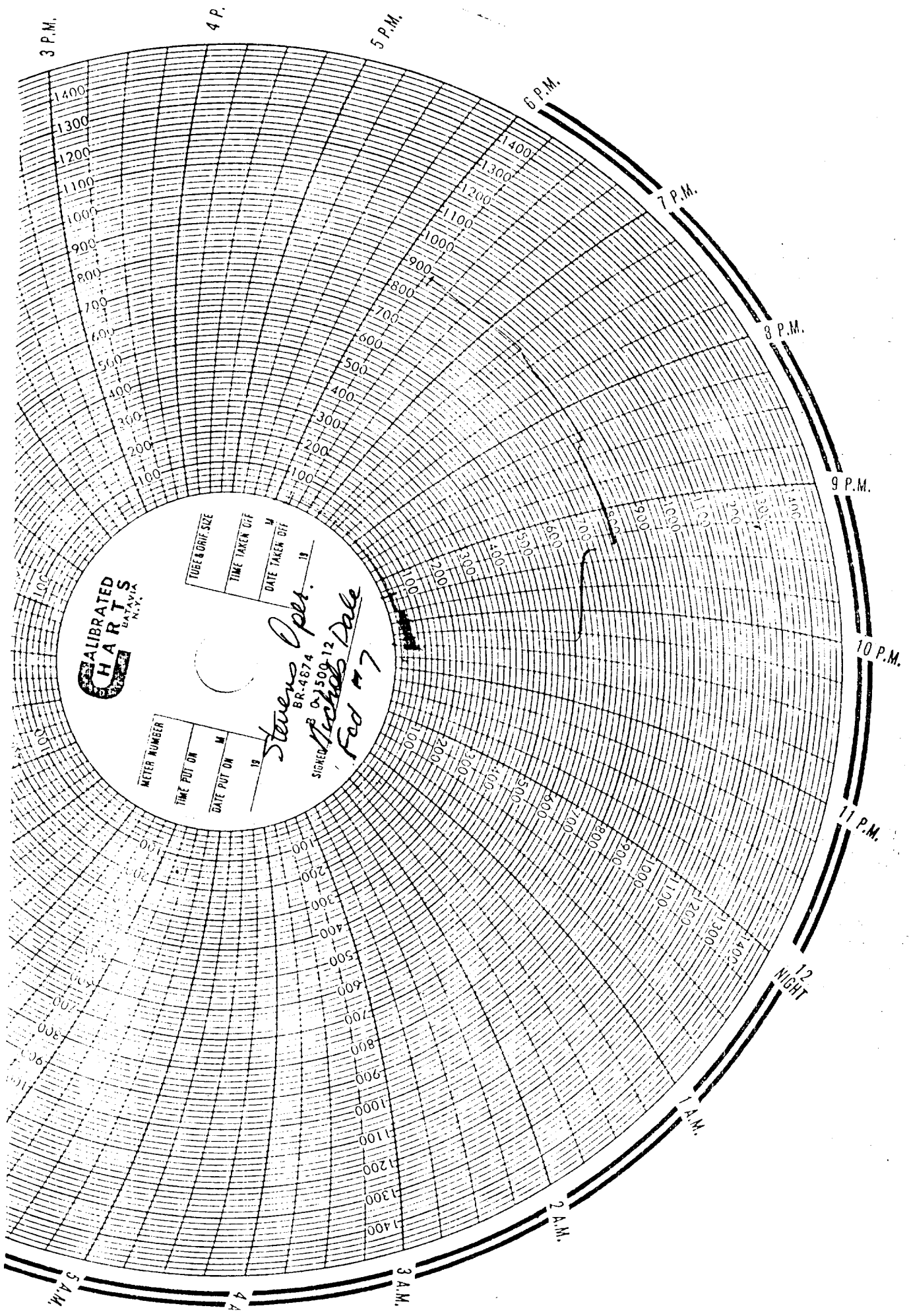
DEPTH PRESSURE GRADIENT

0	895.2	
1000	914.2	1.9
2000	939.2	2.5
3000	967.2	2.8
4030	996.2	2.8
4180	1002.2	4.0

TIME B.H.P. MEASURED 1119 HOUR.
LENGTH OF TIME WELL SHUT IN 37HR 34MIN.

OPERATOR STEVENS OPERATING	
LEASE NICHOLS DALE FEDERAL	
WELL NO. #7	
POOL FORMATION	
DATE 1-18-84	TIME 1119 HOUR
CO. MAN MIKE VOWELL	
STATUS SHUT IN	
TEST DEPTH 4180 FT.	TIME S.I. 1045 HR.
BHP LAST TEST 1-16-84	
TUB. PRES. 895.2 #	
BHP CHANGE	
CAS. PRES. FLUID TOP	
DATUM PLANE WATER TOP	
DATUM PSIA 1002.2# RUN BY BO FAULKENBERRY	
TEMP 105°	
CLOCK # B-3443	PRESSURE RANGE 3500 LBS.
ELEMENT NO. RPG3#37882	





CALIBRATED
CHARTS
BATAVIA
N.Y.

TUBE & ORIF. SIZE	
TIME TAKEN G/F	
DATE TAKEN G/F	
M	
19	
SIGNED <i>Stevens Oper.</i>	
BR-4874	
DATE <i>Feb 17</i>	
TIME PUT ON	
DATE PUT ON	
M	
19	