

C/SF
C-122

~~3-1-82~~
JUL 16 1982

5					
Absolute Open Flow		3,653.6	Mold # 13.025	Angle of Slope θ	58.8
Remarks:		BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.			
Approved By Commission:		Conducted By: RICHARD TOWNLEY		Calculated By: BENNETT-CATHEY	
				Checked By:	

DETCO

MILLER #1

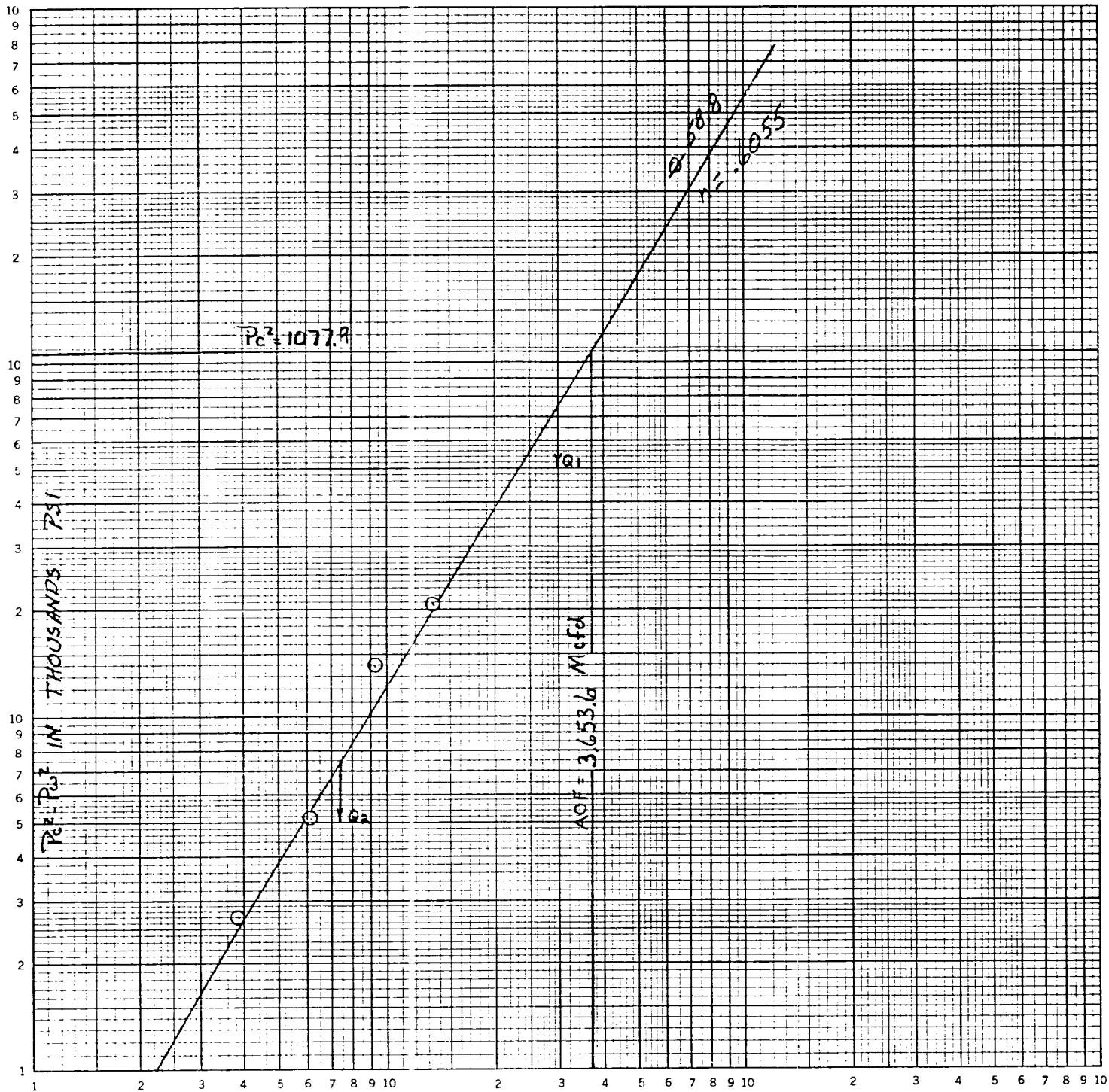
UNITO SEC 23 TWP 55 RGE 24E

CHAVES COUNTY

3-1-82

46 7400

K·E LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



$$\Delta P_1^2 \quad P_c^2 - P_w^2 = 700$$

Q, Mcfd

$$\text{LOG } Q_1 = 3.47712$$

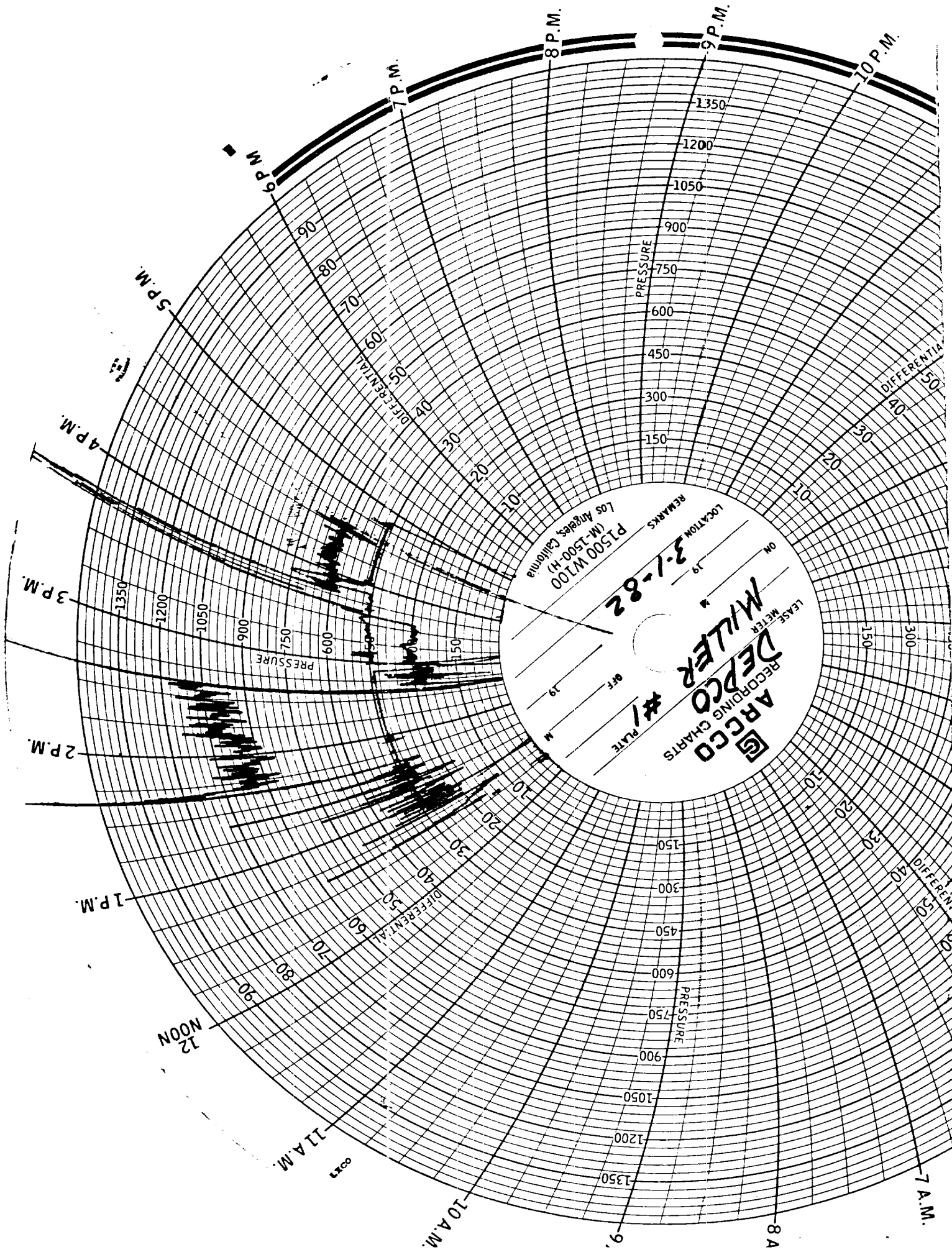
$$\Delta P_2^2 \quad P_c^2 - P_w^2 = 70$$

$$\text{LOG } Q_2 = 2.87162$$

$$Q_1 \quad 3000$$

$$n = .6055$$

$$Q_2 \quad 744$$



REMARKS
LOCATION
P1500 W100
(M-1500-H)
Los Angeles, California

3-1-82

PLATE

ARCO
RECORDING CHARTS
DEPCO
MILLER #1
LEASE
METER

ON

OFF

19

19

19

COMPANY DEPCO WELL NAME MILLER WELL NO. 1
DATE OF TEST 3-1-82 FORMATION ABO PAGE 1 OF 1
FOUR POINT BACK PRESSURE TEST

ELEMENT NUMBER	RPG3 #21121N	RANGE	5,000 LBS.
CLOCK NUMBER	H9499	RANGE	90 HOURS
TIME WELL SHUT IN	1045 HOURS	2-26-82	
TIME CLOCK STARTED	1032 HOURS		
DEAD WEIGHT ELEMENT ON SURFACE	932 SHUT IN		LBS.
TIME ELEMENT REACHED BOTTOM	1145 HOURS		
DEAD WEIGHT ELEMENT ON BOTTOM	932 SHUT IN		LBS.
ELEMENT SET AT	3,830		FEET.
TEMPERATURE	3,830	FT.	108 °F.

[illegible]

TEST DATE: 3-1-82
TEST DEPTH: 3,830 FEET

ELEMENT NO.:RPG3 #21121N
RANGE: 5,000 LBS.

CLOCKS: H9499
RANGE: 90 HOURS

OPERATOR: BO FAULKENBERRY

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

RECEIVED

JUL 16 1982

O. C. D.
ARTESIA, OFFICE

DANNY HOKETT

DEPCO

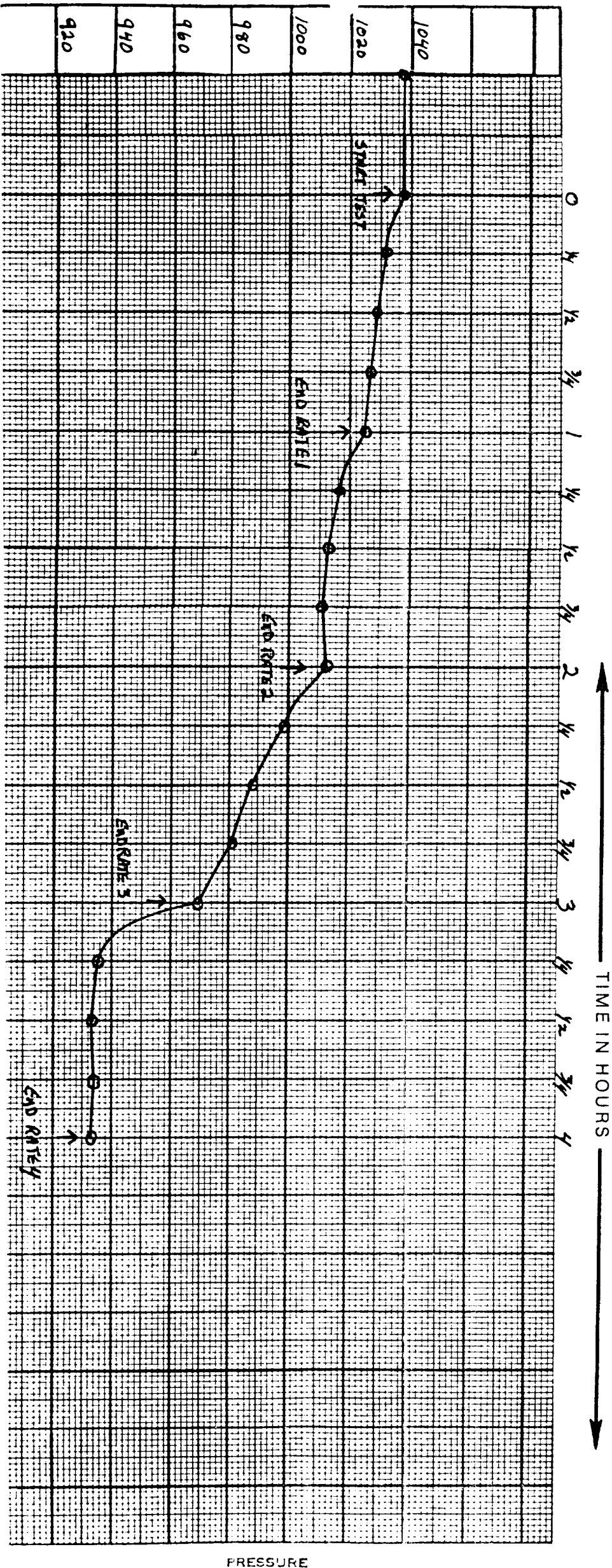
MILLER WELL NO. 1

BENNETT-CATHEY WIRE LINE SERVICE
Box 787
Artesia, N.M. 88210

Drawn By

Scale: As Shown

BENNETT-
CATHEY
WELL SERVICES



BENNETT - CATHEY
 Artesia, New Mexico 88210
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY DEPCO WELL NAME MILLER WELL NO. 1
 DATE OF TEST 2-26-82 TO 3-1-82 FORMATION ABC PAGE 1 OF 1

CHART READINGS AND CALCULATIONS FOR BUILDUP OR DRAWDOWN TEST

ELEMENT NUMBER RPG3 #21121N RANGE 5,000 LBS.
 CLOCK NUMBER H2499 RANGE 90 HOURS
 TIME WELL SHUT IN 1045 HOURS 2-26-82
 TIME CLOCK STARTED 1013 HOURS
 DEAD WEIGHT ELEMENT ON SURFACE 163 PSIA FLOWING LBS.
 TIME ELEMENT REACHED BOTTOM 1043 HOURS
 DEAD WEIGHT ELEMENT ON BOTTOM 168 PSIA FLOWING LBS.
 ELEMENT SET AT 3,830 FEET.
 TEMPERATURE 2,830 FT. 108 °F.
 933 PSIA DEAD WEIGHT AT THE END OF 73 HOURS 0 MINUTES.

DATE	HOUR	TIME	DEFLECTION in/inches	CALCULATED PRESSURE psig	CORRECTION P ± PC psig	CORRECTED PRESSURE psia	PRESSURE AT MID-POINT OF PERFORATIONS psia
2-26-82	0	1045		578	13.2		591
	1/4	1100		784	13.2		797
	1/2	1115		852	13.2		865
	3/4	1130		876	13.2		889
	1	1145		897	13.2		910
	1-1/4	1200		911	13.2		924
	1-1/2	1215		920	13.2		933
	1-3/4	1230		927	13.2		940
	2	1245		934	13.2		947
	2-1/4	1300		938	13.2		951
	2-1/2	1315		943	13.2		957
	2-3/4	1330		948	13.2		961
	3	1345		951	13.2		964
	3-1/2	1415		957	13.2		970
	4	1445		962	13.2		975
	4-1/2	1515		966	13.2		979
	5	1545		969	13.2		982
	6	1645		974	13.2		987
	7	1745		977	13.2		990
	8	1845		981	13.2		994
	9	1945		984	13.2		997
	10	2045		985	13.2		998
	12	2245		991	13.2		1004
	14	2445		995	13.2		1008
2-27-82	16	0245		997	13.2		1010
	18	0445		999	13.2		1012
	20	0645		1002	13.2		1015
	25	1145		1007	13.2		1020
	30	1645		1010	13.2		1023
	35	2145		1013	13.2		1026
2-28-82	40	0245		1015	13.2		1028
	45	0745		1018	13.2		1028
	50	1245		1020	13.2		1033
	55	1745		1022	13.2		1035
	60	2245		1023	13.2		1036
3-1-82	65	0345		1024	13.2		1037
	70	0845		1025	13.2		1038
	71-1/4	1000		1025	13.2		1038

TEST DATE: 3-1-82
TEST DEPTH: 2,830 FEET

ELEMENT NO.: RPG3 #2112IN
RANGE: 5,000 LBS.
CLOCKS: H2499
RANGE: 90 HOURS

OPERATOR: RICHARD TOWNLEY

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

DANNY HOKETT

DEPCO
MILLRT ERLL NO. 1

BENNETT-CATHEY WIRE LINE SERVICE
Box 787
Artesia, N.M. 88210

505/746-3281

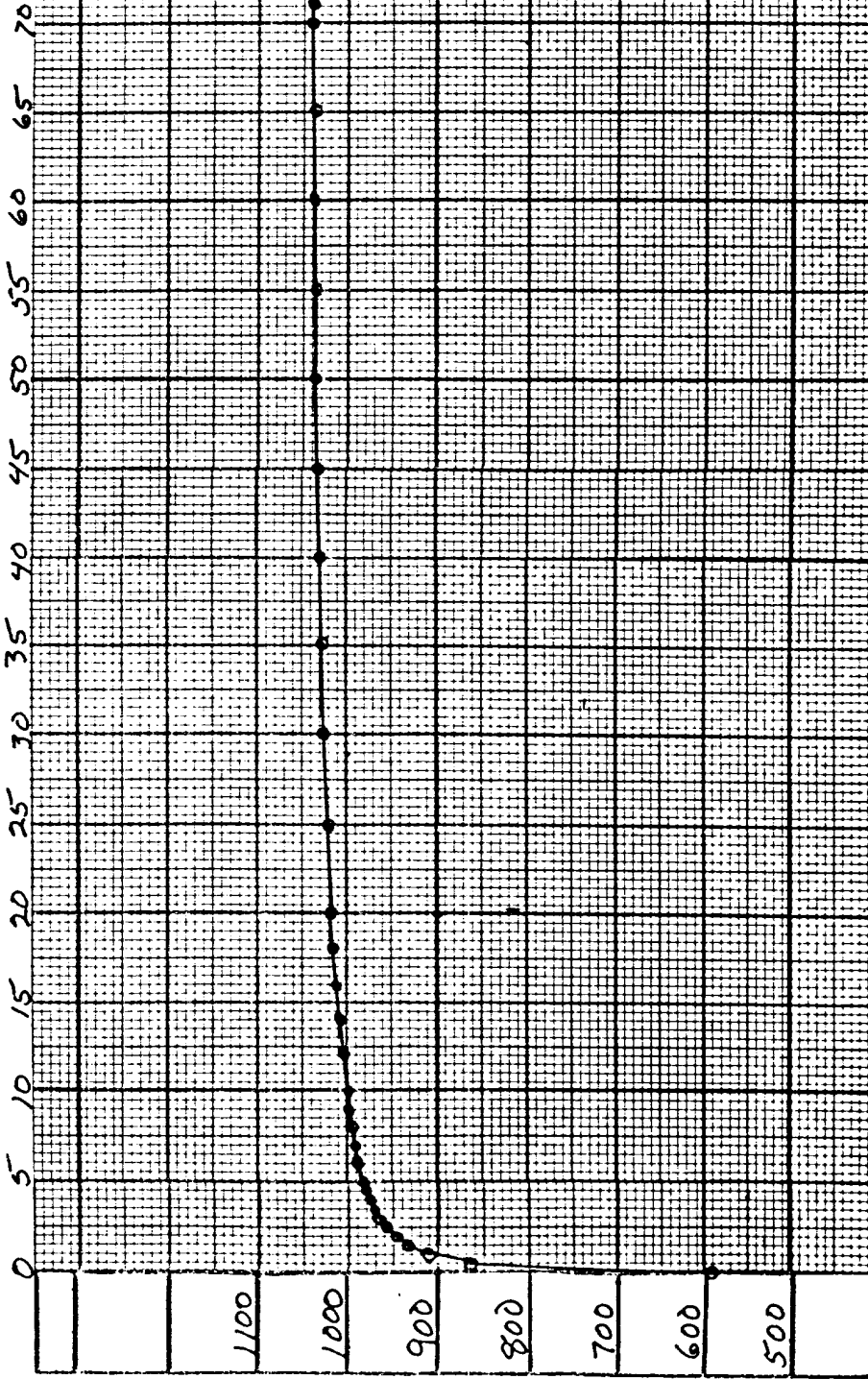
Drawn By

Scale: As Shown

BENNETT-
CATHEY
WELL SERVICES

FOUR POINT BACK PRESSURE TEST

TIME IN HOURS



PRESSURE



BENNETT-CATHEY WIRE LINE SERVICE



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

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR DEPCO
LEASE MILLER
WELL NO. 1
POOL FORMATION ABO
DATE 3-1-82 TIME 1145 HOURS

STATUS SHUT IN TEST DEPTH 3,830
TIME S.I. 1045 HOURS LAST TEST DATE 1ST TEST
CAS. PRES. 2-26-82 BHP LAST TEST
TUB. PRES. 933 BHP CHANGE
ELE. FLUID TOP
DATUM PLANE WATER TOP
DATUM PSIA 1040 RUN BY STEVE HARWELL
TEMP 108° PRESSURE RANGE 5,000 LBS.
CLOCK NO. H2499 90 HOURS
ELEMENT NO. RPG3 #21121N

DEPTH	PRESSURE	GRADIENT
0	933	
1,000	964	3.1
2,000	990	2.6
3,000	1021	3.1
3,680	1035	2.1
3,830	1040	3.3

TIME B.H.P. MEASURED: 1145 HRS.

LENGTH OF TIME WELL SHUT IN: 73 HRS.
0 MIN.

