

Clifford Cone O. & G. Prop.
Don Fell
P.O. Box 136
Lovington, N.M. 88260

RECEIVED

NOV 2 1982

O. C. D.
ARTESIA OFFICE

New Mexico O. C. D.
Bill Gressett
Artesia, New Mex. 88210

Re: 'Step-rate' test:
Colwin Queen Unit, well #13.
Water Injection.

Bill:

These were made and mailed somewhere, original copies.
perhaps to wrong office.

Sent copies (of copies) to Joe K.

We need this injection well.

Thanks.

Don Fell /

Don Fell

TICKET NO. 105154

PAGE NO. 1

DATE 2/25/75

[illegible]

FIELD OFFICE

JOB SUMMARY

HALLIBURTON
LOCATION

Lovington

BILLED ON
TICKET NO.

783154

FORM 2012 R-1

WELL DATA		Eddy		N.M.	
FIELD	SEC.	TWP.	RNG.	COUNTY	STATE
Shugart					
FORMATION NAME	Queens	TYPE	sand		
FORMATION THICKNESS	FROM	TO			
INITIAL PROD: OIL	BPD.WATER	BPD.GAS	MCFD		
PRESENT PROD: OIL	BPD.WATER	BPD.GAS	MCFD		
COMPLETION DATE	MUD TYPE	MUD WT.			
PACKER TYPE	RTTS	SET AT	3061		
BOTTOM HOLE TEMP.	PRESSURE				
MISC. DATA					

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE	25# WG 6	
GUIDE SHOE	15# AA	
CENTRALIZERS	50 gal. Protexall	
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS			
TREAT. FLUID	Gel H2 O	DENSITY	25
DISPL. FLUID	H2O	DENSITY	
PROP. TYPE	sand	SIZE	20/40
PROP. TYPE	sand	SIZE	10/20
ACID TYPE	NE	GAL.	500
ACID TYPE		GAL.	1460
ACID TYPE		GAL.	
SURFACTANT TYPE	Protexall	GAL.	40
NE AGENT TYPE	14N	GAL.	2
FLUID LOSS ADD. TYPE	A A	GAL.-LB.	300
GELLING AGENT TYPE	WG 6	GAL.-LB.	500
FRIC. RED. AGENT TYPE		GAL.-LB.	
BREAKER TYPE		GAL.-LB.	
BLOCKING AGENT TYPE		GAL.-LB.	
PERFPAC BALLS TYPE		QTY.	
OTHER	1/2 gal. HAI 50		
OTHER			

JOB DATA

DATE	TIME	ON LOCATION	TIME	JOB STARTED	DATE	JOB COMPLETED	DATE
2/25/75	5:30	2/25/75	7:15	2/25/75	8:30	2/25/75	10:01

PERSONNEL AND SERVICE UNITS		
NAME	UNIT NO. & TYPE	LOCATION
J. Webb	treater	Lovington
D. Newsom		
J. Sevier		
D. Roberts		
A. Robison		
G. Smith		
F. Lard		
J. Fuqua		
B. Danmer		
L. Brown	fld.man	Lovington
R. Pittman	tool	Artesia

DEPARTMENT	DESCRIPTION OF JOB

JOB DONE THRU: TUBING	CASING	ANNULUS	TBG./ANN.
☐	☐	☐	☐

CUSTOMER REPRESENTATIVE
X

HALLIBURTON OPERATOR	COPIES REQUESTED
J. O. Webb	

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.

PRESSURES IN PSI				SUMMARY		VOLUMES	
CIRCULATING	DISPLACEMENT	2800	3000	PREFLUSH: BBL.-GAL.	3000	TYPE	
BREAKDOWN	MAXIMUM	3000		LOAD & BKDN: BBL.-GAL.	500 acid	PAD: BBL.-GAL.	
AVERAGE	28	FRACURE GRADIENT	1200	TREATMENT: BBL.-GAL.	17000	DISPL: BBL.-GAL.	1000
SHUT-IN: INSTANT	1400	5-MIN.	1200	CEMENT SLURRY: BBL.-GAL.			
ORDERED	2000	1578		TOTAL VOLUME: BBL.-GAL.	21500		
TREATING	23	DISPL.	23	REMARKS	512 barrel load		
CEMENT LEFT IN PIPE							
FEET	REASON						

FIELD OFFICE

B & A OPERATING CO.

CULMIN QUEEN UNIT

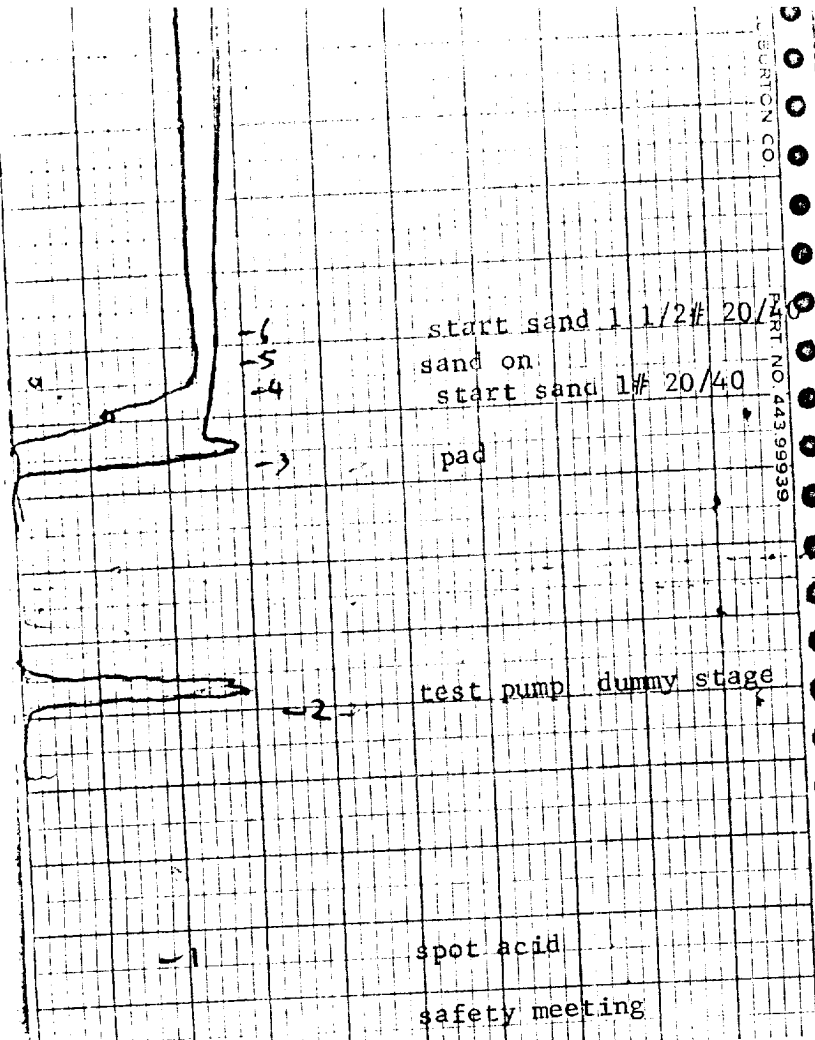
13

JOB TYPE

Frac

DATE

2/25/75



BURTON CO.
PRINT NO. 443 99939

450.31003

Form 2

FRACOMETER LOG



Ticket No. 783154

Company B & A Operating Co Date 2/25/75

Co. Eddy State N.M.

Lease Culwin Queen Unit Well No. 13

Type Job frac

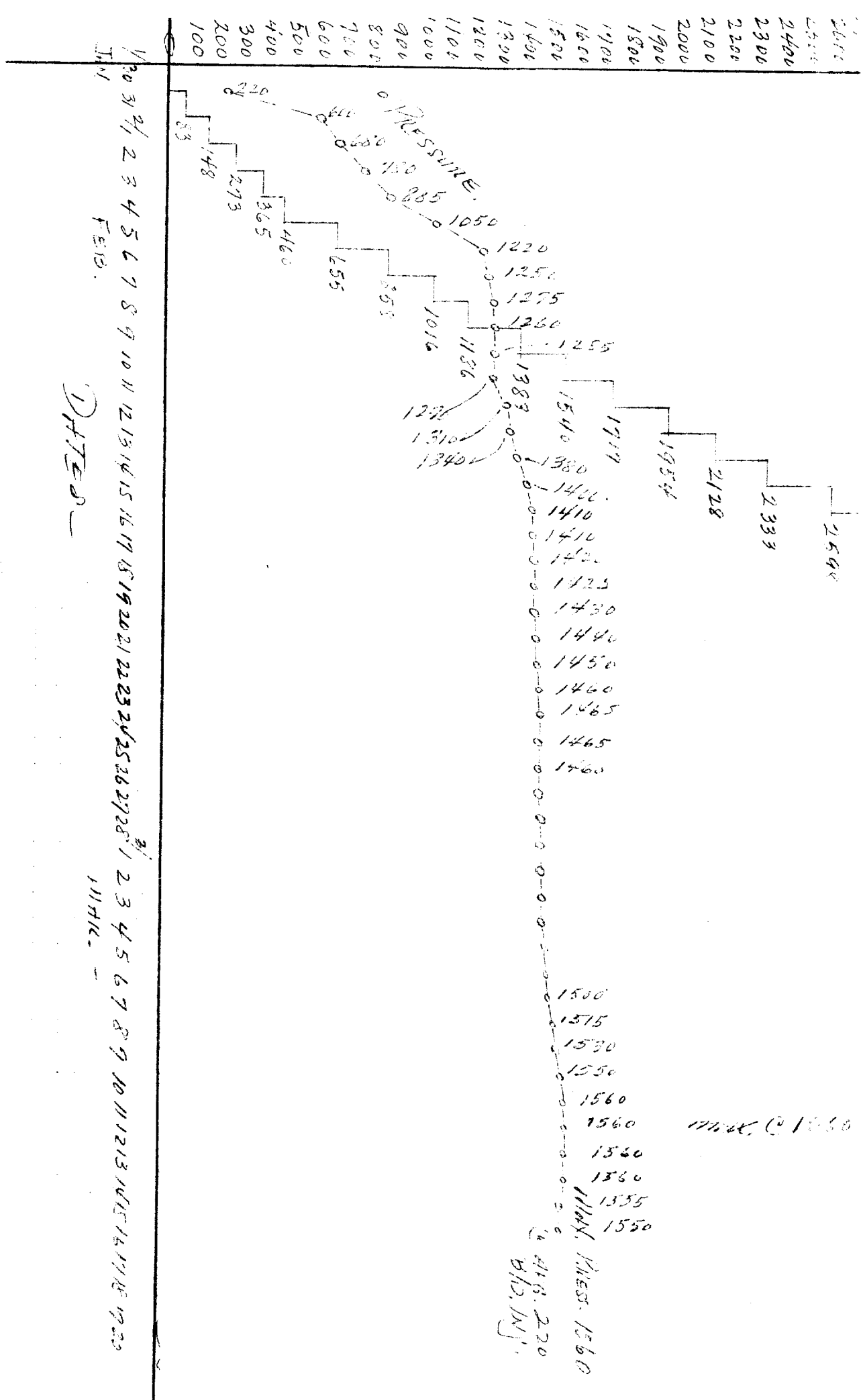
Halliburton Operator: J. O. Webb

Instrument No.:

Flow Meter Size Calib. Fact

Remarks:

RANGE 10 000
0 Pressure — PSI
0 Flow Rate - Barrels/Min. 100
Density
Chart Speed 3/16 In/Min



INCREASED RATE - 280 B/D

12000
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100

1600

1650

0 9589
0 9162
0 8863

Current Rate Injection
@ 160 B/D
9/30/02

@ 1800 PSI
From Press: 2800 PSI
HARRIS ATTORNEY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

RECEIVED

NOV 1 1982

O. C. D.
ARTESIA, OFFICE

Clifford Gene L. d. G. Prop.
Don Bell
P.O. Box 136
Govington, N.M. 88260

1-3-81

New Mexico O. C. D.
Bill Gressett
Artesia, New Mex. 88210

re: 'Step-rate' test:
Calwin Queen Unit, well #13.
Water Injection.

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Thanks.

Don Bell /

Don Bell

JOB LOG

CUSTOMER BTA OPERATING

PAGE NO. 1

JOB TYPE water frac

DATE 2/25/75

(M 2013 R-1)

[illegible]

FIELD OFFICE

SUMMARY

HALLIBURTON
LOCATION

Lovington

BILLED ON
TICKET NO.

783154

WELL DATA

NOV 1 1982

Spart

Eddy

N.M.

SEC. TWP. RING. COUNTY STATE

WELL NAME Queens TYPE sand

WELL THICKNESS FROM TO

PROD. OIL BPD. WATER BPD. GAS MCFD

WELL PROD. OIL BPD. WATER BPD. GAS MCFD

CEMENT DATE MUD TYPE MUD WT.

CEMENT TYPE RTTS SET AT 3061

WELL HOLE TEMP. PRESSURE

DATA

	NEW USED	SIZE	FROM ARTESIA	TO OFFICE	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING	u	5 1/2	0			
LINER	u	2 7/8	0	3061		
TUBING						
OPEN HOLE			3092	3126	TOTAL DEPTH:	
PERFORATIONS					SHOTS/FT.	
PERFORATIONS					SHOTS/FT.	
PERFORATIONS					SHOTS/FT.	

JOB DATA

CALLED OUT		ON LOCATION		JOB STARTED		JOB COMPLETED	
DATE	2/25/75	DATE	2/25/75	DATE	2/25/75	DATE	2/25/75
TIME	5:30	TIME	7:15	TIME	8:30	TIME	10:01

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
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J. Sevier		
D. Roberts		
A. Robison		
G. Smith		
F. Lard		
J. Fuqua		
B. Danner		
L. Brown	fld, man	Lovington
K. Pittman	tool	Artesia

DEPARTMENT

DESCRIPTION OF JOB

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBS./ANN. ☐

CUSTOMER

REPRESENTATIVE

X

HALLIBURTON
OPERATOR

J. O. Webb

COPIES

REQUESTED

CEMENT DATA

NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.

PRESSURES IN PSI

CEMENTING DISPLACEMENT 2800 3000

DOWN 3000

CE 28 FRACTURE GRADIENT 1400 1200

HYDRAULIC HORSEPOWER 2000 1578

ED AVAILABLE 2000 USED 1578

AVERAGE RATES IN BPM

ING 23 DISPL. 23 OVERALL 23

CEMENT LEFT IN PIPE

REASON

SUMMARY

VOLUMES

PREFLUSH: BBL.-GAL. 3000

LOAD & BKDN: BBL.-GAL. 500 acid PAD: BBL.-GAL.

TREATMENT: BBL.-GAL. 17000 DISPL: BBL.-GAL. 1000

CEMENT SLURRY: BBL.-GAL. 21500

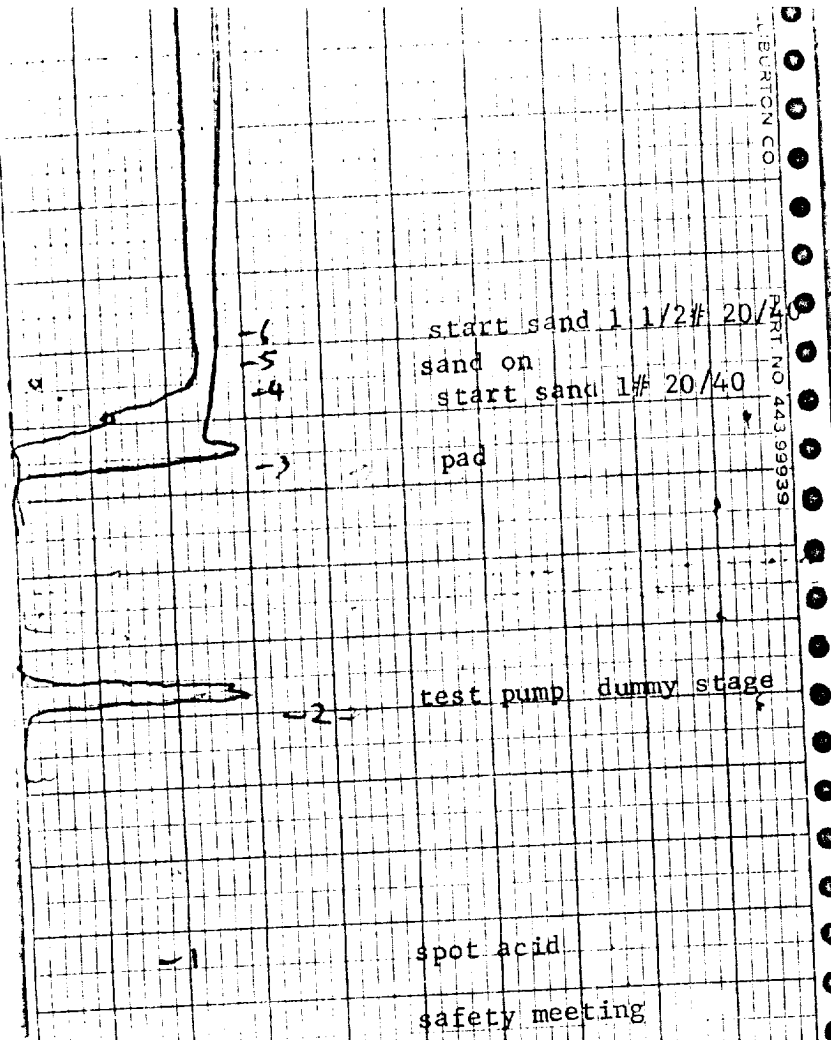
TOTAL VOLUME: BBL.-GAL. 21500

REMARKS
512 barrel load

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O. C. D.
ARTESIA, OFFICE



450.31003

Form 2

FRACOMETER LOG



Ticket No. 783154

Company B & A Operating Co Date 2/25/75

Co. Eddy State N.M.

Lease Culwin Queen Unit Well No. 13

Type Job frac

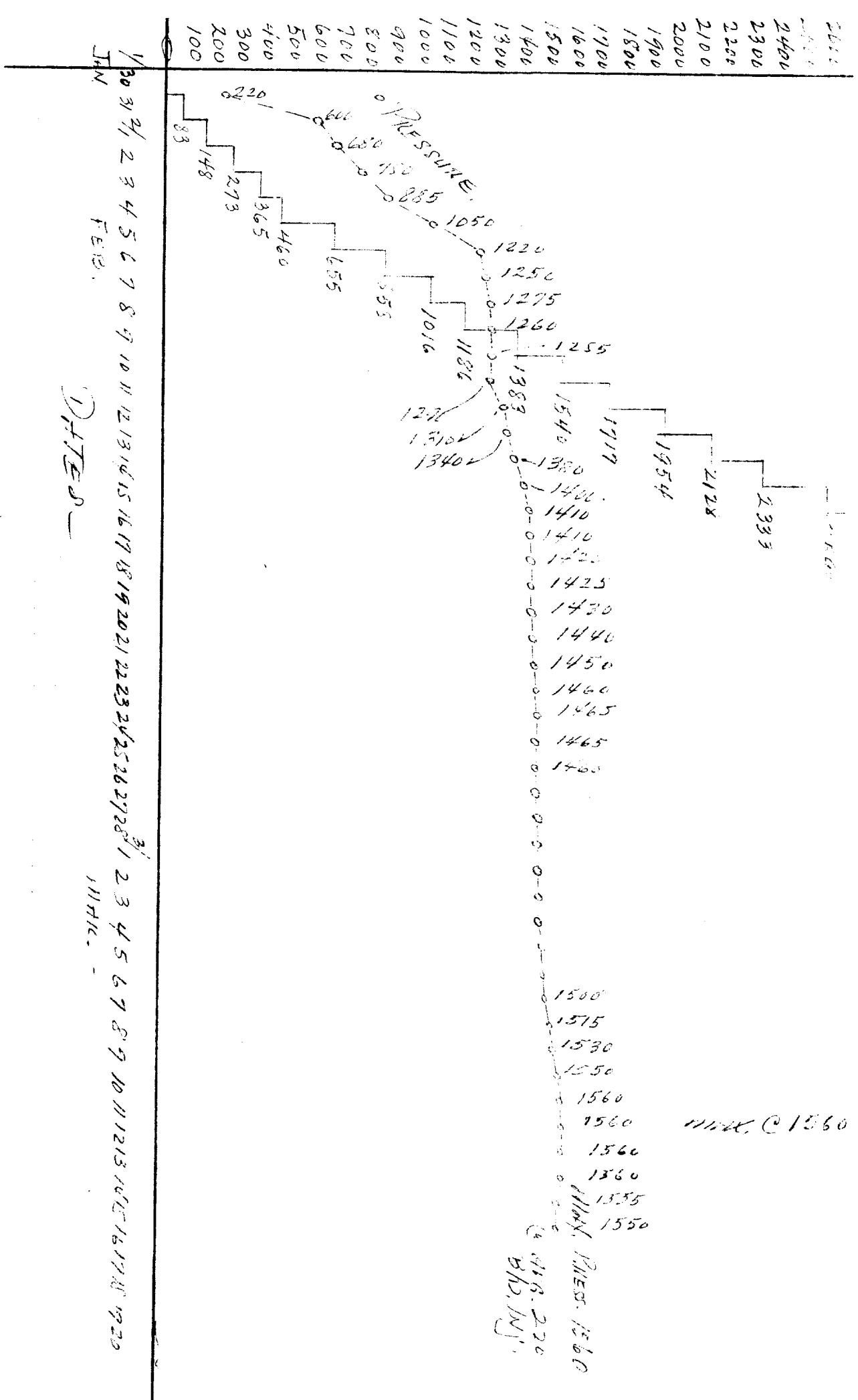
Halliburton Operator: J. O. Webb

Instrument No.:

Flow Meter Size Calib. Fact.

Remarks:

0 RANGE 10 000
..... Pressure — PSI
0 Flow Rate - Barrels/Min. 100
..... Density
Chart Speed 3/16 In/Min



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 11600
 11400
 11200
 11000
 10800
 10600
 10400
 10200
 10000
 9800
 9600
 9400
 9200
 9000
 8800
 8600
 8400
 8200

1900
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

1500
 1400
 1300
 1200
 1100
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 900
 800
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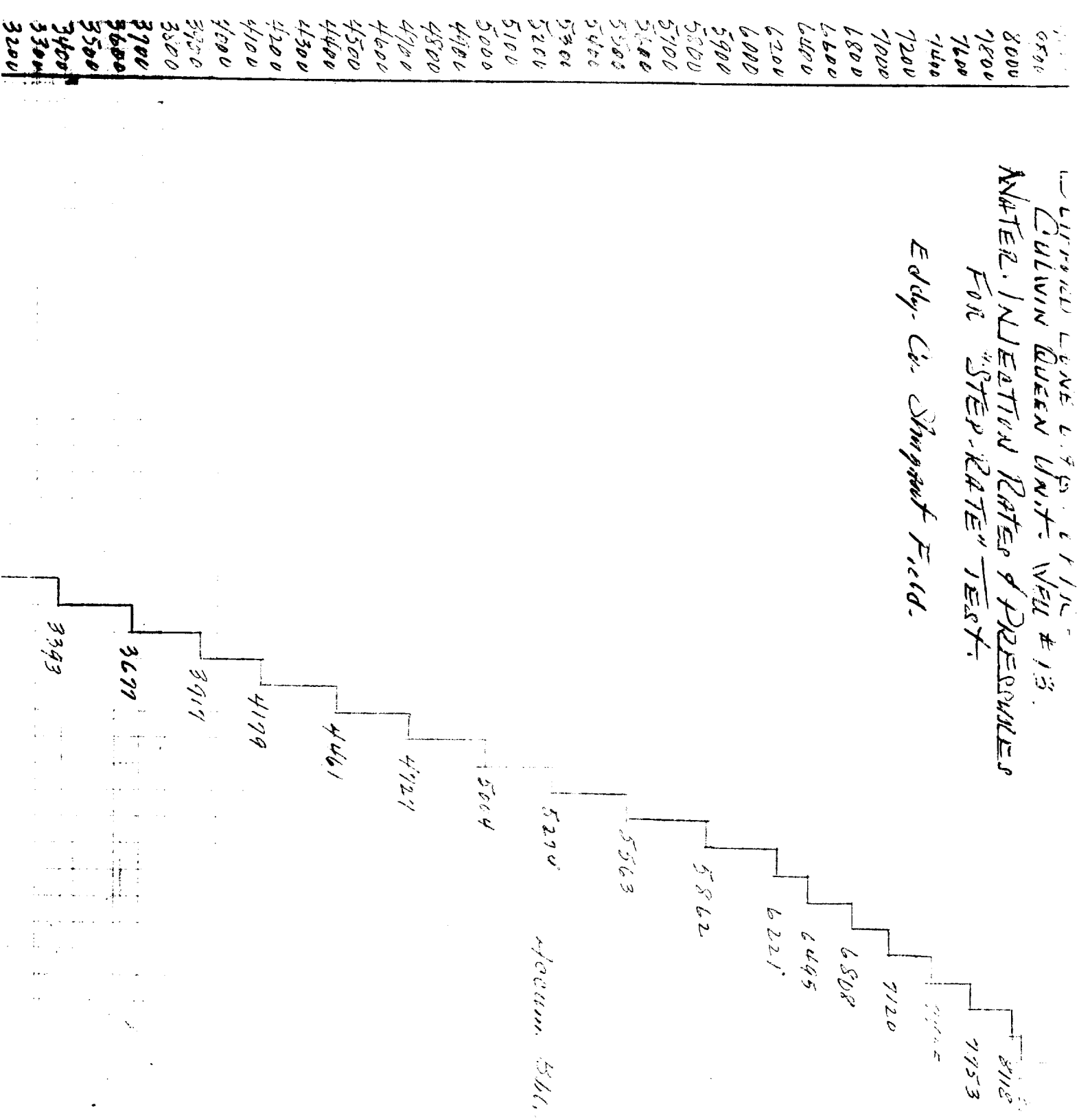
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 100
 0

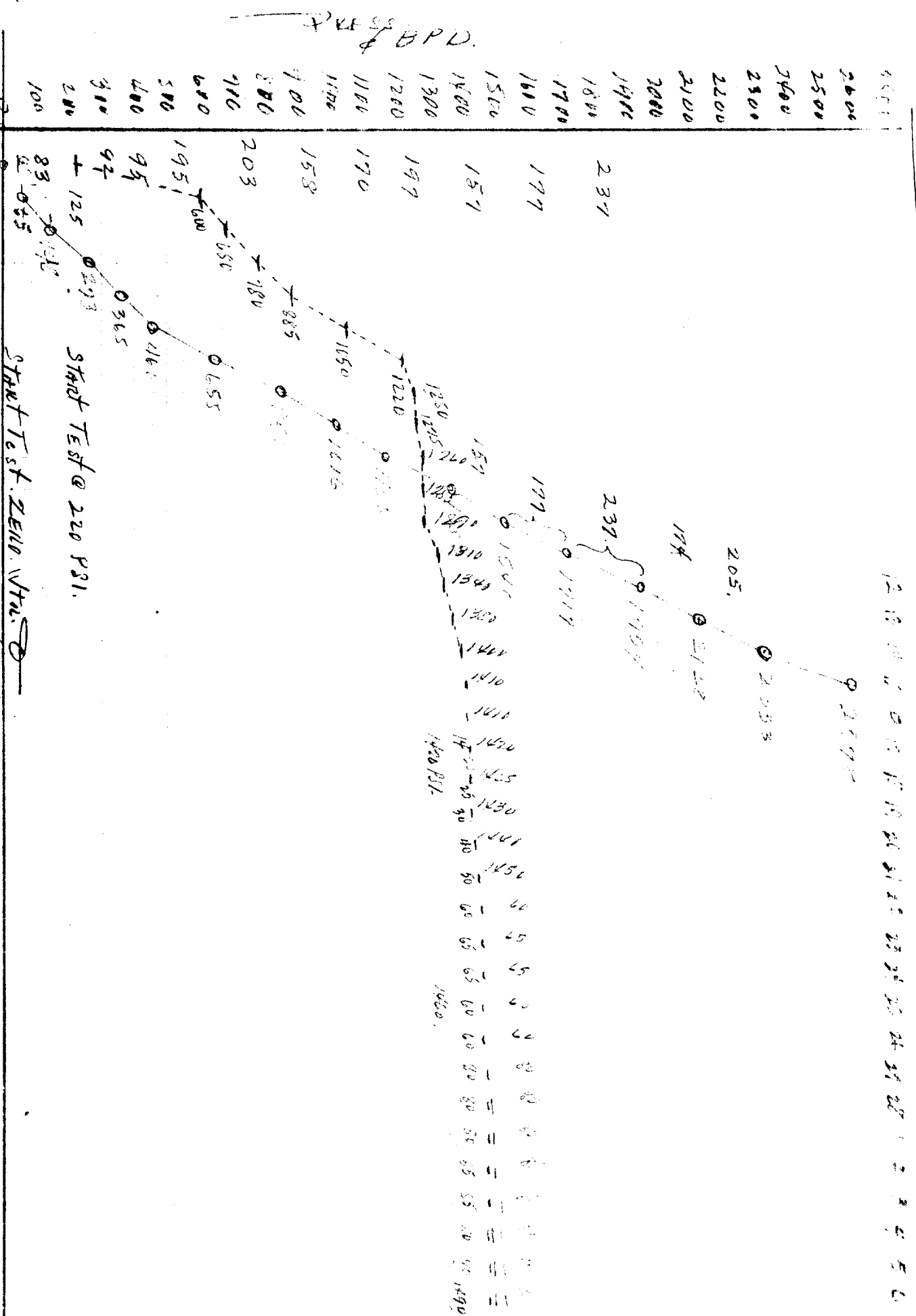
INCREASED RATE - 280 B/D

Current Rate Injection
 @ 160 B/D
 9/30/02
 0 1850

CURVED LINE LOG. C 111
 CULVIN QUEEN UNIT. WELL # 13.
 WATER INJECTION RATES & PRESSURES
 FOR "STEP-RATE" TEST.

Eddy Co. Shingart Field.



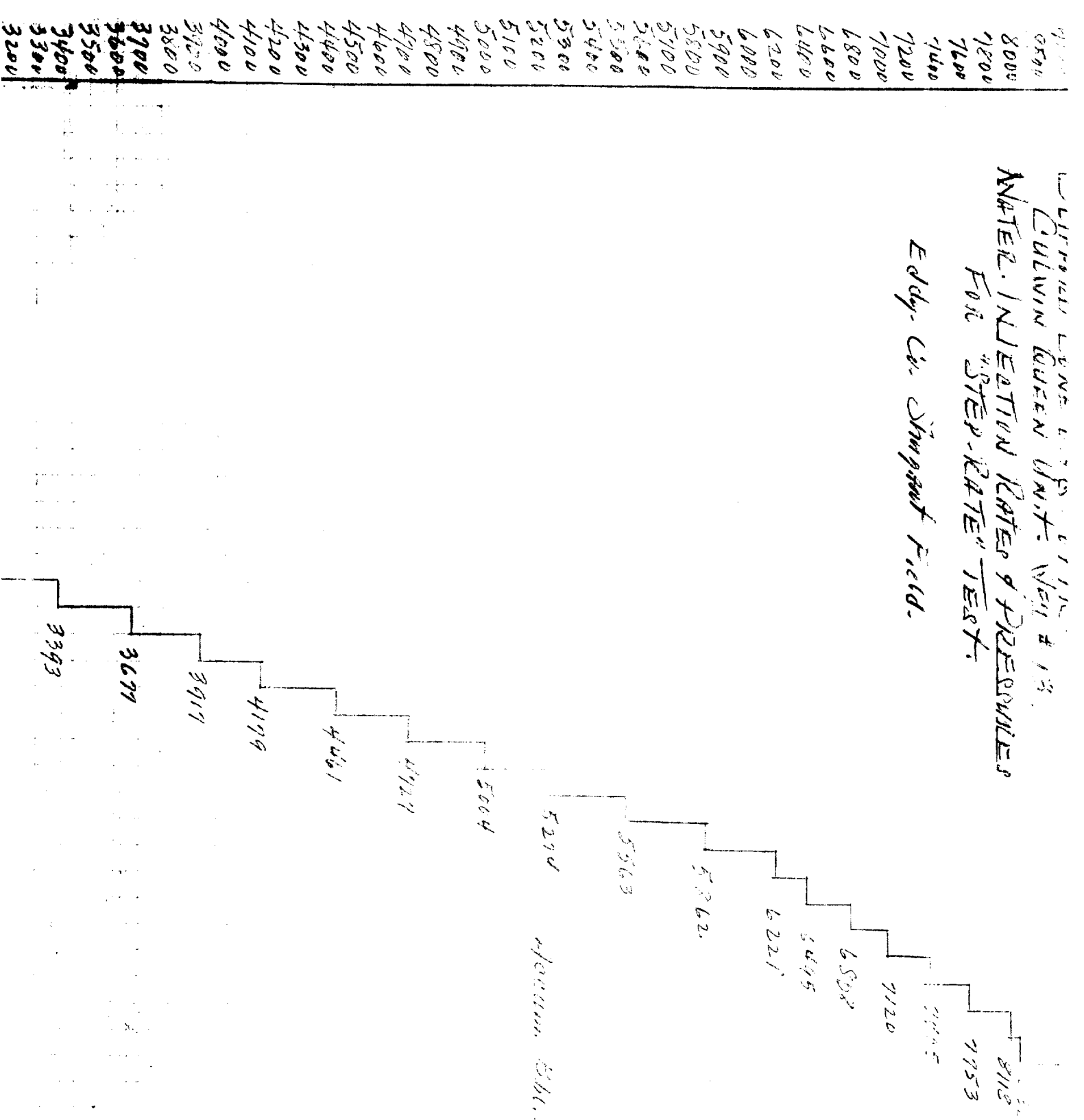


Date: JAN 30 31 21 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 FEB 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 79

Volume (Bbl) = 0

CULMIN LENSE 6-7-50
 CULMIN LENSE UNIT. May 4 1950.
 WATER INJECTION RATES & PRESSURES
 FOR "STEP-RATE" TEST.

Eddy-Cir. Shingaut Field.



8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

