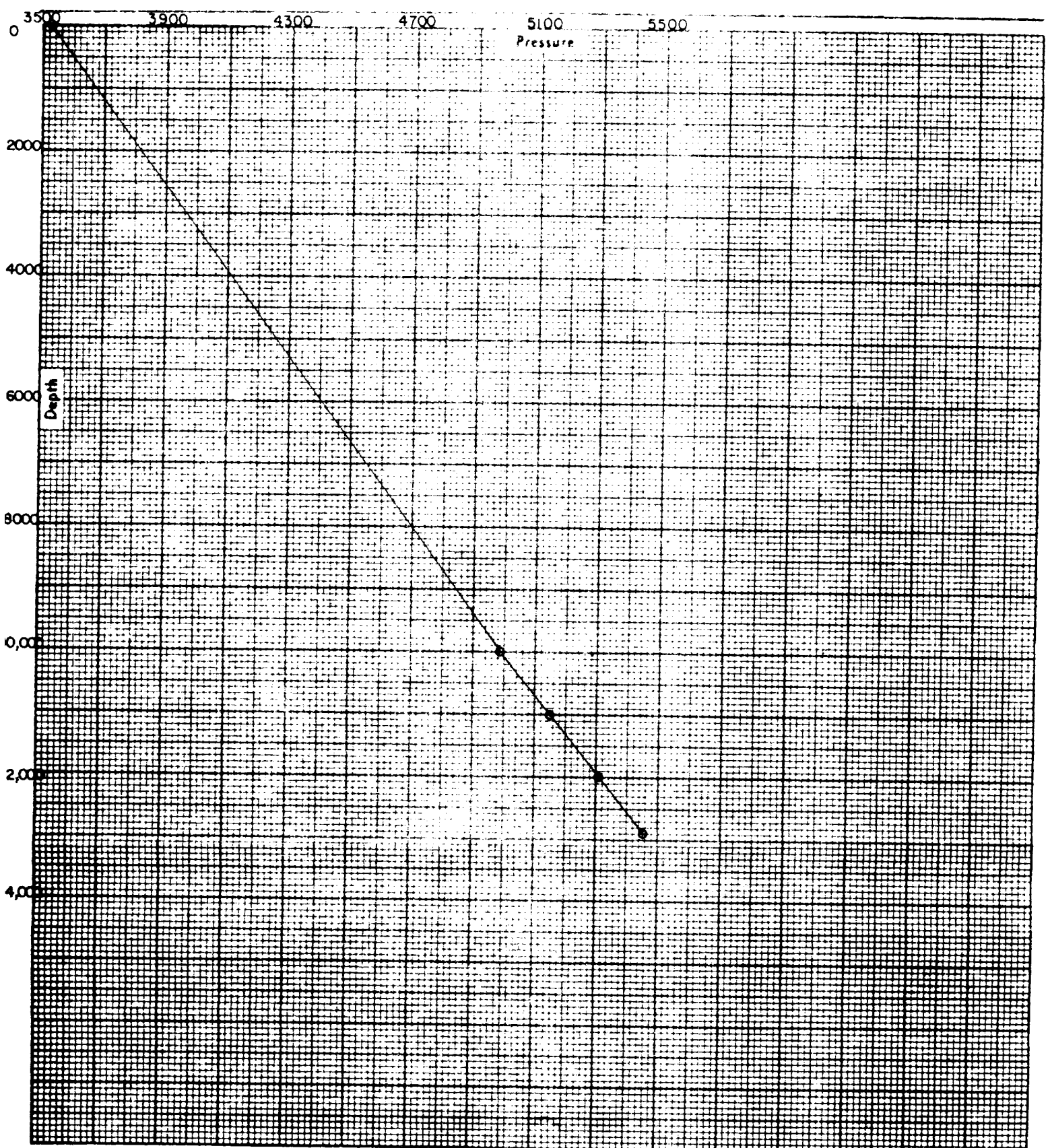


JOHN W. WEST ENGINEERING COMPANY
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 343-3942
343-3117

BOTTOM HOLE PRESSURE SURVEY REPORT

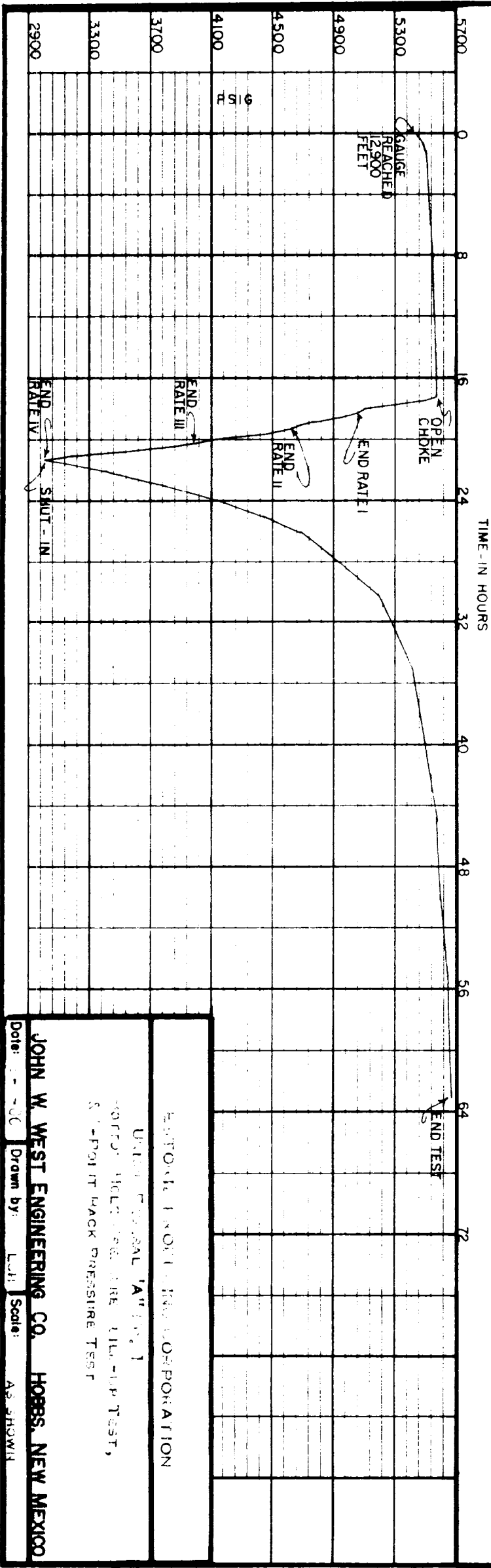
OPERATOR	ESTORIL PRODUCING CORPORATION	DEPTH	PRESSURE	GRADIENT
LEASE	UNION FEDERAL "A"			
WELL NO.	1	0.0	3523	
FIELD		10,000	4936	.146
DATE	8-30-50	11,000	5117	.159
		12,000	5304	.159
		12,300	5472	.164
STATUS	SHOT-TEST DEPTH	12,300 FEET		
TIME S.I.	LAST TEST DATE			
CAS. PRES.	BHP LAST TEST			
TUB. PRES.	3523 PSI BHP CHANGE			
ELEV.	FLUID TOP			
DATUM	WATER TOP			
TEMP.	RUN BY	E.J.T.		
CLOCK NO.	E-2145	GAUGE NO.	10257	
ELEMENT NO.	8534 (0-5750 PSI)			



TEST DATE: AUGUST 16, 1960
TEST DEPTH: 12,400 FEET

ELEVATION: 10.1
DRAINAGE: 0.30
DRAINAGE: 0.30
DRAINAGE: 0.30

NOTE: SEE FOLLOWING PAGE FOR TABULATION OF PRESSURE AND PRESSURES.



JOHN W. WEST ENGINEERING CO. HOBBBS, NEW MEXICO
Date: 8-16-60 Drawn by: LWH Scale: AS SHOWN
AUTOLOG 1001 LINDS CORPORATION
UNITED STATES PATENT OFFICE
COPRIGHT 1960 BY JOHN W. WEST
51-POINT BACK PRESSURE TEST

ESTORIL PRODUCING COMPANY
 UNION FEDERAL "A" No. 1
 BOTTOM HOLE PRESSURE BUILD-UP TEST
 & 4-POINT BACK PRESSURE TEST
 TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

TEST DATE: AUGUST 30, TO SEPTEMBER 2, 1950
 TEST DEPTH: 12,900 FEET
 ELEMENT No.: 8534
 OPERATOR: B.J.T.

DATE	TIME	CUM. HRS. / MIN.		PSIG @ 12,900 FEET
8-30-80	5:15 PM	00 HRS.	00 MIN.	5452 GAUGE REACHED 12,900 FEET
	5:30 PM	00	15	5457
	5:45 PM	00	30	5466
	6:00 PM	00	45	5472
	6:15 PM	01	00	5478
8-30-80	6:45 PM	01	30	5487
	7:15 PM	02	00	5495
	7:45 PM	02	30	5501
	8:15 PM	03	00	5507
8-30-80	9:15 PM	03	00	5515
	10:15 PM	03	00	5530
	11:15 PM	04	00	5539
8-31-80	1:15 AM	04	00	5553
	3:15 AM	10	00	5565
	5:15 AM	12	00	5579
	7:15 AM	14	00	5594
	9:15 AM	16	00	5605
8-31-80	10:30 AM	17	15	5608 END BUILD-UP
8-31-80	10:30 AM	17	15	5608 OPEN CHOKE; BEGIN 4-POINT
	10:45 AM	17	30	5504
	11:00 AM	17	45	5220
	11:15 AM	18	00	5115
	11:30 AM	18	15	5066 END RATE I
8-31-8	11:45 AM	18	30	4957
	12:00 NOON	18	45	4772
	12:15 PM	18	00	4671
	12:30 PM	18	15	4607 END RATE II
8-31-80	12:45 PM	18	30	4474
	1:00 PM	19	00	4332
	1:15 PM	20	00	4110
	1:30 PM	20	15	3994 END RATE III
8-31-80	1:45 PM	20	30	3853
	2:00 PM	20	45	3425
	2:15 PM	21	00	3194
	2:30 PM	21	15	3000 END RATE IV; END 4-POINT

ESTORIE PRODUCING CORPORATION
 UNION FEDERAL "A" No. 1
 BOTTOM HOLE PRESSURE BUILD-UP TEST
 6 1/2-POINT BACK PRESSURE TEST
 TABULATION OF TIMES AND PRESSURES

CONTINUED FROM PRECEDING PAGE

DATE	TIME	CUM. HRS. / MIN.		PSIG @ 12,900 FEET
8-31-80	2:30 PM	21	00	3000 SHUT-IN; BEGIN BUILD-UP
	2:45 PM	21	30	3127
	3:00 PM	21	45	3280
	3:15 PM	22	00	3408
	3:30 PM	22	15	3506
	3:45 PM	22	30	3584
	4:00 PM	22	45	3688
	4:15 PM	23	00	3783
8-31-80	4:45 PM	23	30	3957
	5:15 PM	23	00	4139
	5:45 PM	23	30	4301
	6:15 PM	23	00	4431
8-31-80	7:15 PM	24	00	4639
	9:15 PM	25	00	5009
	11:15 PM	26	00	5211
9-1-80	4:15 AM	26	00	5437
	9:15 AM	27	00	5521
	2:15 PM	28	00	5573
	7:15 PM	29	00	5608
9-2-80	12:15 AM	30	00	5640
	5:15 AM	30	00	5666
9-2-80	8:15 AM	30	00	5675 GAUGE OUT; END TEST