

OH#

THIS IS
CONF
DATA M
WITHOUT
OF PH

9-UT-RN
OH#4

Production
Specialists

AGNEW AND SWEET

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BAKERSFIELD, CALIFORNIA 93308
PHONE (805) 327-2267

CHURCH AND AIRPORT ROAD
RIO VISTA, CALIFORNIA 94571
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24 hr.
SERVICE

SUBSURFACE TEMPERATURE SURVEY

OWNER PHILLIPS PETROLEUM COMPANY FIELD ROOSEVELT WELL NAME OBSERVATION # 4

WELL DATA

ZERO POINT _____ DEPTH 547.1390'
ELEVATION _____ ZONE _____
CASING _____

LINER DESCRIPTION _____

TUBING DETAIL 2-7/8 to 1385'

TIME ON BOTTOM 10:52 am
TIME OFF BOTTOM 11:14 am

SURVEY CONDITIONS

DATE March 10, 1977
PURPOSE STATIC TEMPERATURE PROFILE SURVEY
REMARKS TRAVERSE 20' PER MINUTE
INSTRUMENT HUNG AT 1385 FEET - 15 MIN.
12 hour 7 1/2 turn

INSTRUMENT 80 - 656 °F, SERIAL NUMBER 10025
MAX. TEMPERATURE 190.3 °F, AT 1385'
SHUT IN _____ STABILIZATION PERIOD _____

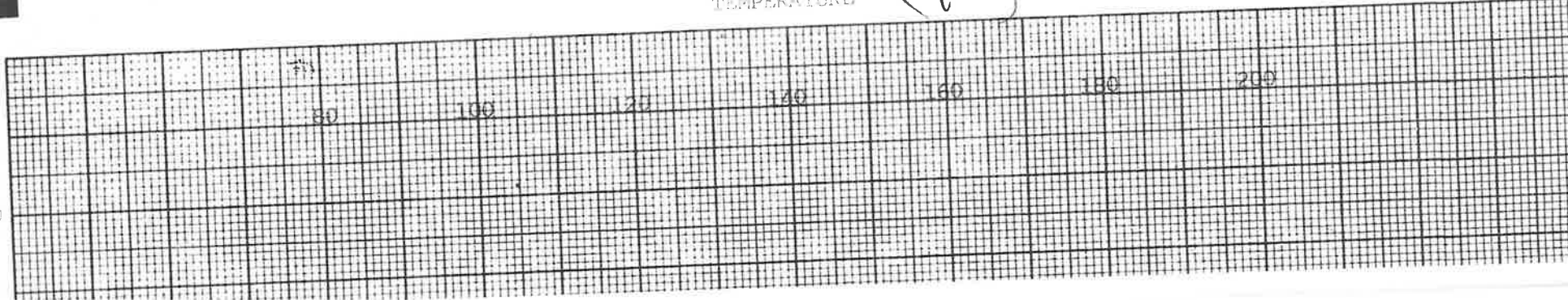
GROSS FLUID RATE, BBL/D _____
NET OIL RATE, BBL/D _____
FORMATION GAS, MCF/D _____
GOR, CFT/BBL _____
CIRCULATED GAS, MCF/D _____
OIL DRY GRAVITY, °API _____

	PRESSURES, P SIG	
	OBSERVED	CORRECTED
CASING	0	0
TUBING	0	0

BY MONSON & CONNELL

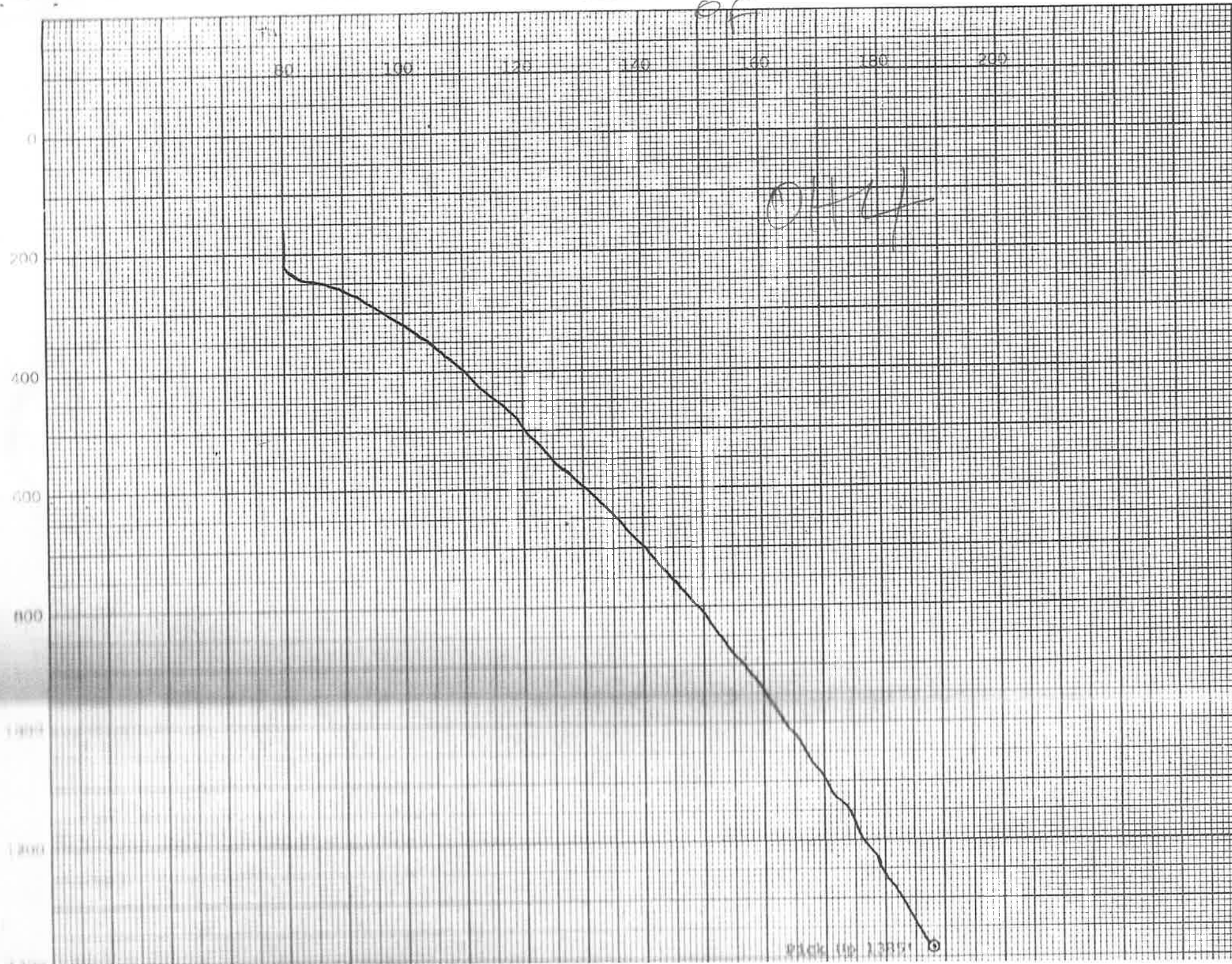
TEMPERATURE

PF



TEMPERATURE

OF



800

1000

1200

1400

Pick up 1385'

15 JAN. 1965

TEMP. °F

150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0

0

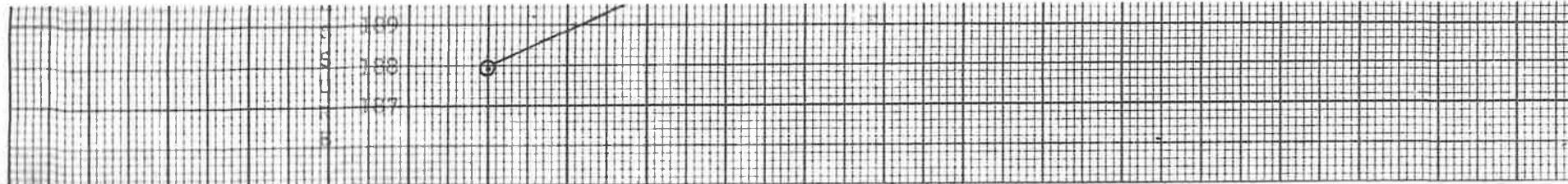
5

10

15

SUB-SURFACE TEMPERATURE DATA

DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F
260	100.6	520	122.0	780	145.2	1040	165.8	1300	182.6



SUB-SURFACE TEMPERATURE DATA

<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>
6		260	88.6	520	122.0	780	146.9	1040	165.8	1300	182.6
20		280	93.1	540	124.2	800	148.8	1060	167.1	1320	183.8
40		300	96.5	560	126.2	820	150.0	1080	168.6	1340	185.1
60		320	99.9	580	128.1	840	151.9	1100	169.9	1360	186.3
80		340	103.0	600	130.3	860	153.1	1120	171.1	1385	187.9
100		360	105.1	620	132.6	880	154.4	1140	172.7		
120		380	107.5	640	134.5	900	156.2	1160	173.6		
140		400	109.9	660	136.4	920	157.5	1180	175.1	INSTR. HUNG @ 1	
160	80.3	420	111.9	680	138.3	940	158.7	1200	176.4	MIN. TEMP.	
180	80.3	440	114.0	700	140.2	960	160.3	1220	177.9	0	187.9
200	80.3	460	116.9	720	142.2	980	161.8	1240	179.2	5 min.	189.7
220	80.3	480	118.8	740	143.8	1000	163.4	1260	180.4	10	190.0
240	81.7	500	120.1	760	145.0	1020	164.9	1280	181.3	15	190.3