GL02880-2of3

Production Specialists

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24 HOUR SERVICE

SUBSURFACE TEMPERATURE SURVEY

OWNER PHILLIPS PETROLEUM COMPANY FIELD DESERT PEAK WELL NAME B 21 - 2

WELL DATA

ZERO POINT Mat + 20' DEPTH 3192'
ELEVATION ZONE
CASING 9-5/8" to 2030'

LINER DESCRIPTION

TUBING DETAIL none

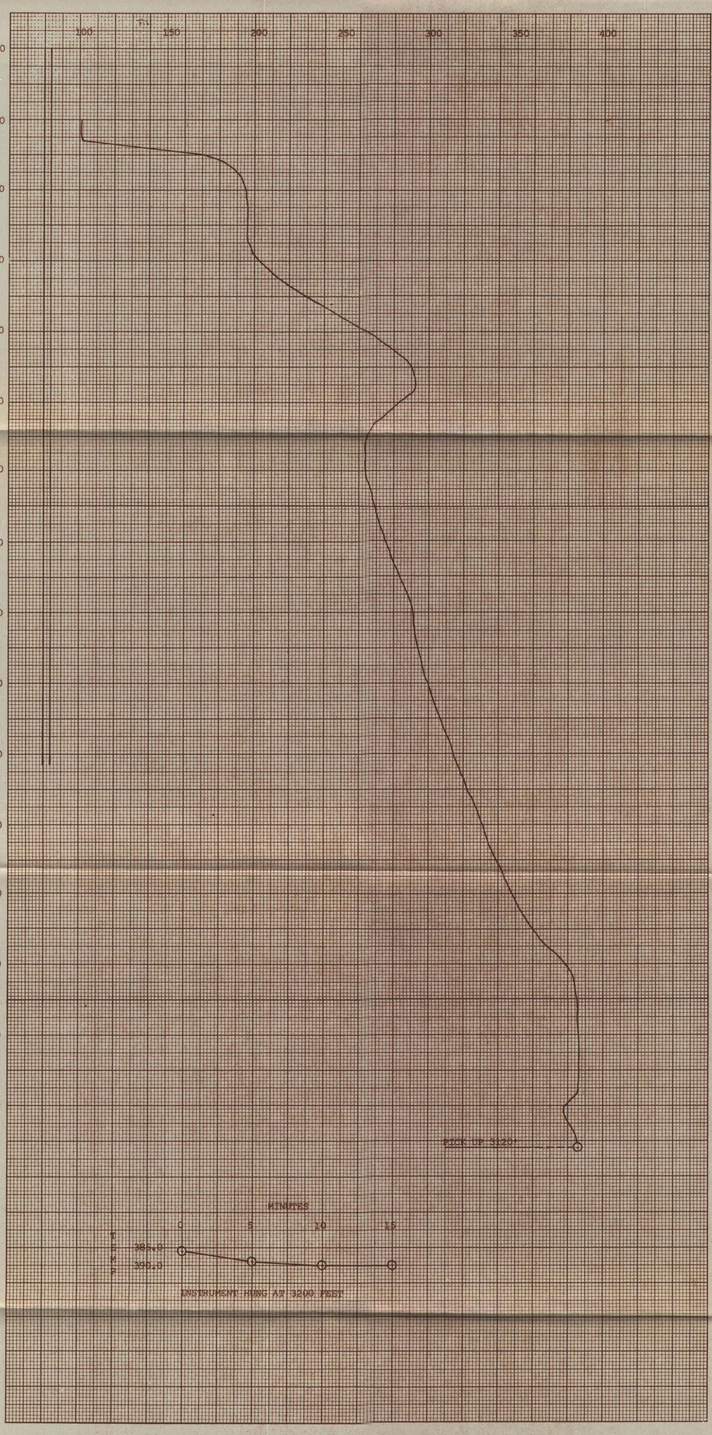
Time on bottom 5:41 pm
Time off bottom 5:56 pm

SURVEY CONDITIONS

DATE February 9, 1977
PURPOSE STATIC TEMPERATURE SURVEY
REMARKS: TRAVERSE 20'/MIN
INSTRUMENT HUNG 15 MIN. AT 3120'
12 hour 7¼ turn
INSTRUMENT 100 - 558 °F, SERIAL NUMBER 10136
MAX. TEMPERATURE 389.7 °F, AT 3120'
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, PSIG	OBSERVED	CORRECTED
CASING	no way	
TUBING	0	

BY NEVE & SUNDBERG



SUB-SURFACE TEMPERATURE DATA

DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F
20		580	199.2	1140	264.4	1680	293.1	2220	332.4	2760	385.3
40		600	203.1	1160	264.4	1700	294.2	2240	334.0	2780	385.5
60		620	207.9	1180	264.4	1720	294.9	2260	335.4	2800	385.8
80		640	212.4	1200	264.4	1740	295.8	2280	337.2	2820	385.8
100		660	218.4	1220	264.4	1760	297.2	2300	338.9	2840	385.8
120		680	223.7	1240	265.8	1780	298.4	2320	340.5	2860	386.0
140		700	229.5	1260	267.0	1800	299.5	2340	342.3	2880	386.2
160		720	237.4	1280	267.7	1820	301.4	2360	344.1	2900	386.2
180		740	243.9	1300	268.6	1840	302.3	2380	346.0	2920	386.2
200	100.5	760	250.8	1320	269.8	1860	303.8	2400	348.3	2940	386.4
220	101.0	780	258.1	1340	271.2	1880	305.3	2420	350.1	2960	386.4
240	101.3	800	264.6	1360	272.1	1900	306.6	2440	352.2	2980	382.1
260	101.8	820	270.7	1380	273.8	1920	308.2	2460	354.5	3000	378.0
280	142.0	840	277.1	1400	275.2	1940	309.8	2480	356.8	3020	377.7
300	170.6	860	282.3	1420	276.8	1960	311.5	2500	360.0	3040	379.6
320	181.9	880	287.0	1440	278.3	1980	313.1	2520	362.8	3060	381.6
340	188.2	900	289.5	1460	280.1	2000	314.2	2540	366.0	3080	383.5
360	191.7	920	291.4	1480	281.5	2020	315.6	2560	370.6	3100	384.9
380	193.4	940	292.4	1500	283.2	2040	317.5	2580	375.4	3120	385.8
400	194.8	960	291.7	1520	284.8	2060	318.8	2600	379.3		
420	195.3	980	288.4	1540	287.0	2080	320.7	2620	381.6		
440	196.1	1000	283.4	1560	288.6	2100	322.3	2640	383.0	INSTR. HUNG @ 3120'	
460	196.3	1020	278.7	1580	289.5	2120	325.1	2660	383.9	MIN.	TEMP.
480	196.3	1040	274.3	1600	290.7	2140	326.4	2680	384.4	0	385.8
500	196.3	1060	269.3	1620	290.7	2160	327.8	2700	384.9	5	388.6
520	196.3	1080	266.5	1640	291.7	2180	329.4	2720	385.1	10	389.7
540	196.3	1100	264.9	1660	292.4	2200	330.8	2740	385.3	15	389.7
560	197.5	1120	264.4								