

GLO3008-4 of 4

AGNEW AND SWARTZ

3914 GILMORE AVENUE

BAKERSFIELD, CALIFORNIA

93308

24 HOUR PHONE 327 2267
AREA CODE 805

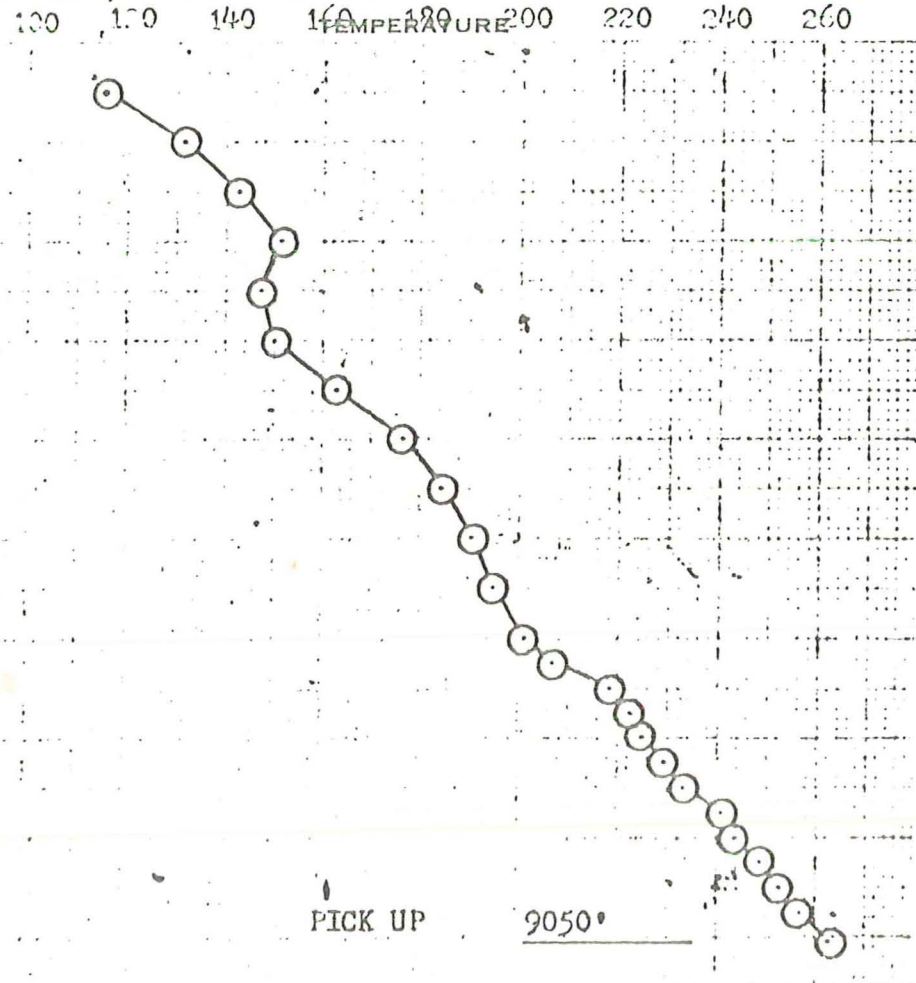
SUBSURFACE TEMPERATURE SURVEY

OWNER: GEOTHERMAL MINING CO. FIELD: WICKLEY WELL NAME: WELLS NO. 1
 CASING: ELEV DATE: JULY 20, 1973
 LINER DESCRIPTION: ZERO POINT: T KELLEY
 DEPTH: ZONE:
 TUBING DETAIL: INSTRUMENT: 90° - 662° FAH
 SERIAL NO: 12015
 12 Hour 7:15 ms
 MAX TEMP: 262.2 °F @ 9050'
 PUMP SHOE: GAS ANCHOR: INTAKE:
 PURPOSE: DETAILED TEMPERATURE GRADIENT SURVEY
 REMARKS: PICK UP AT 9050'

STABILIZATION PERIOD
 GROSS OIL RATE B/D
 NET OIL RATE B/D
 FORMATION GAS MCF/D
 GOR CFT/BBL
 CIRCULATED GAS MCF/D
 OIL DRY GRAVITY API
 PRESSURES OBS COR
 CASING PSIG
 TUBING PSIG

DEPTH	TEMP	DEPTH	TEMP
500	115.3		
1000	131.0		
1500	142.2		
2000	151.3		
2500	147.4		
3000	159.0		
3500	162.0		
4000	176.4		
4500	184.1		
5000	190.5		
5500	195.2		
6000	201.7		
6250	206.9		
6500	215.0		
6750	222.5		
7000	225.2		
7250	229.6		
7500	233.6		
7750	240.7		
8000	243.4		
8250	248.8		
8500	252.8		
8750	256.8		
9050	262.2		

TIME ON BOTTOM: 1:55 P.M. 7-20-73
 TIME OFF BOTTOM: 2:05 P.M. 7-20-73



AGNEW AND SWEET

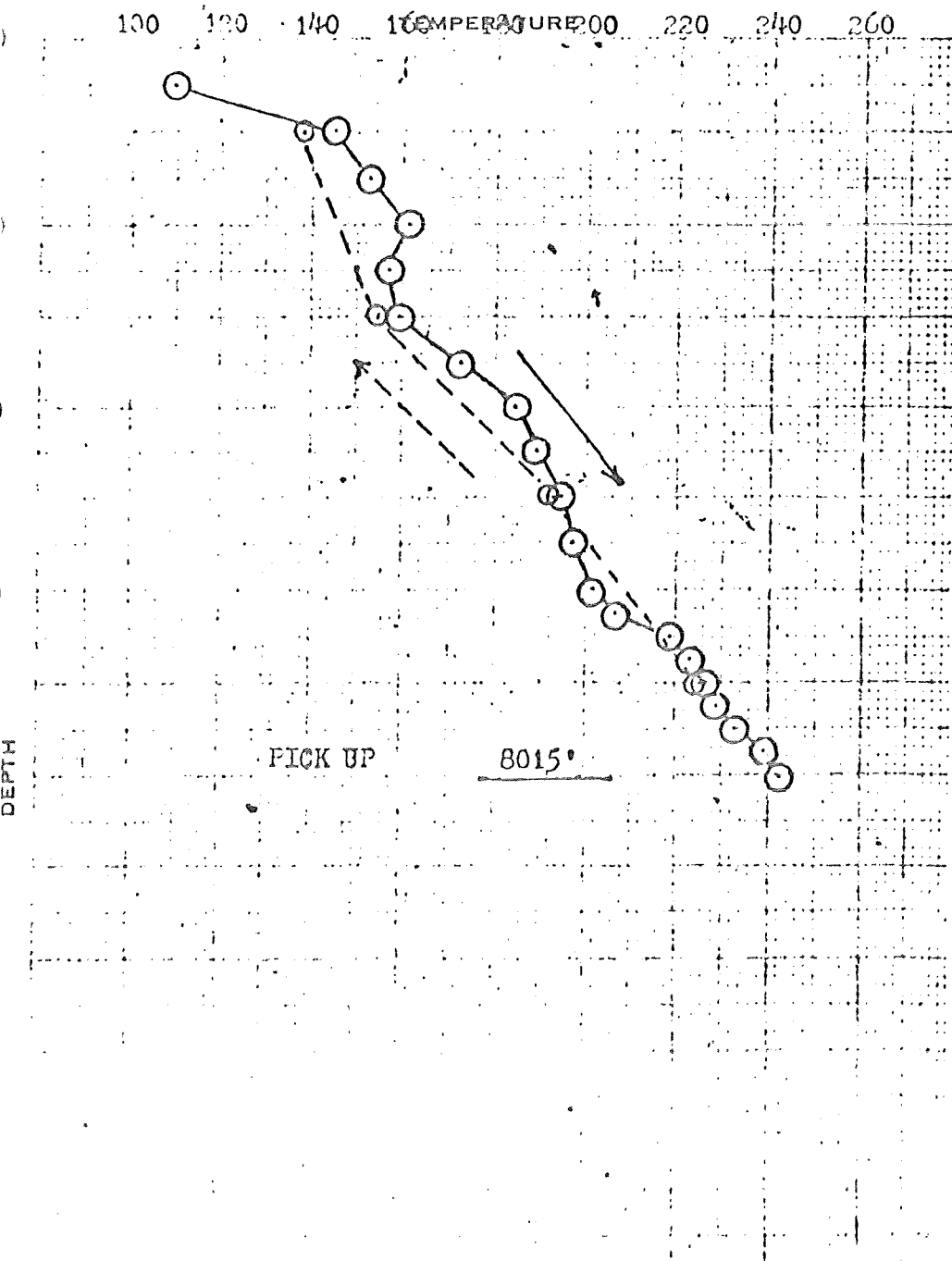
3914 GILMORE AVENUE
BAKERSFIELD, CALIFORNIA
93308

24 HOUR PHONE 327 2267
AREA CODE 805

SUBSURFACE TEMPERATURE SURVEY

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alists

OWNER	AGNEW AND SWEET	FIELD	HIGLEY	WELL NAME	POWER NO. 1
CABING		ELEV.		DATE	JULY 19, 1973
LINER DESCRIPTION				ZERO POINT	AT KELLEY
TUBING DETAIL				DEPTH	
				ZONE	
				INSTRUMENT	90° - 662° ° FAH
				SERIAL NO	100 5
PUMP SHOE				12 Hour	12 Turns
PURPOSE				MAX TEMP	242.3 ° F @ 8015'
REMARKS					
STATIC TEMPERATURE GRADIENT SURVEY					
PICK UP AT 8015'					



STABILIZATION PERIOD			
GROSS OIL RATE B/D			
NET OIL RATE B/D			
FORMATION GAS MCF/D			
GOR CFT/BBL			
CIRCULATED GAS MCF/D			
OIL DRY GRAVITY API			
PRESSURES	OBS	COR	
CASING PSIG			
TUBING PSIG			
DEPTH	TEMP	DEPTH	TEMP
500	109.7		
1000	143.9		
1500	152.9		
2000	161.6		
2500	157.1		
3000	159.4		
3500	172.9		
4000	184.4		
4500	189.9		
5000	194.3		
5500	197.1		
6000	202.0		
6250	206.3		
6500	219.7		
6750	223.4		
7000	226.2		
7250	229.3		
7500	232.7		
7750	239.8		
8015	242.3		
COMING OUT OF HOLE			
7000	225.5		
5000	192.8		
3000	154.8		
1000	138.0		

Production
Specialists

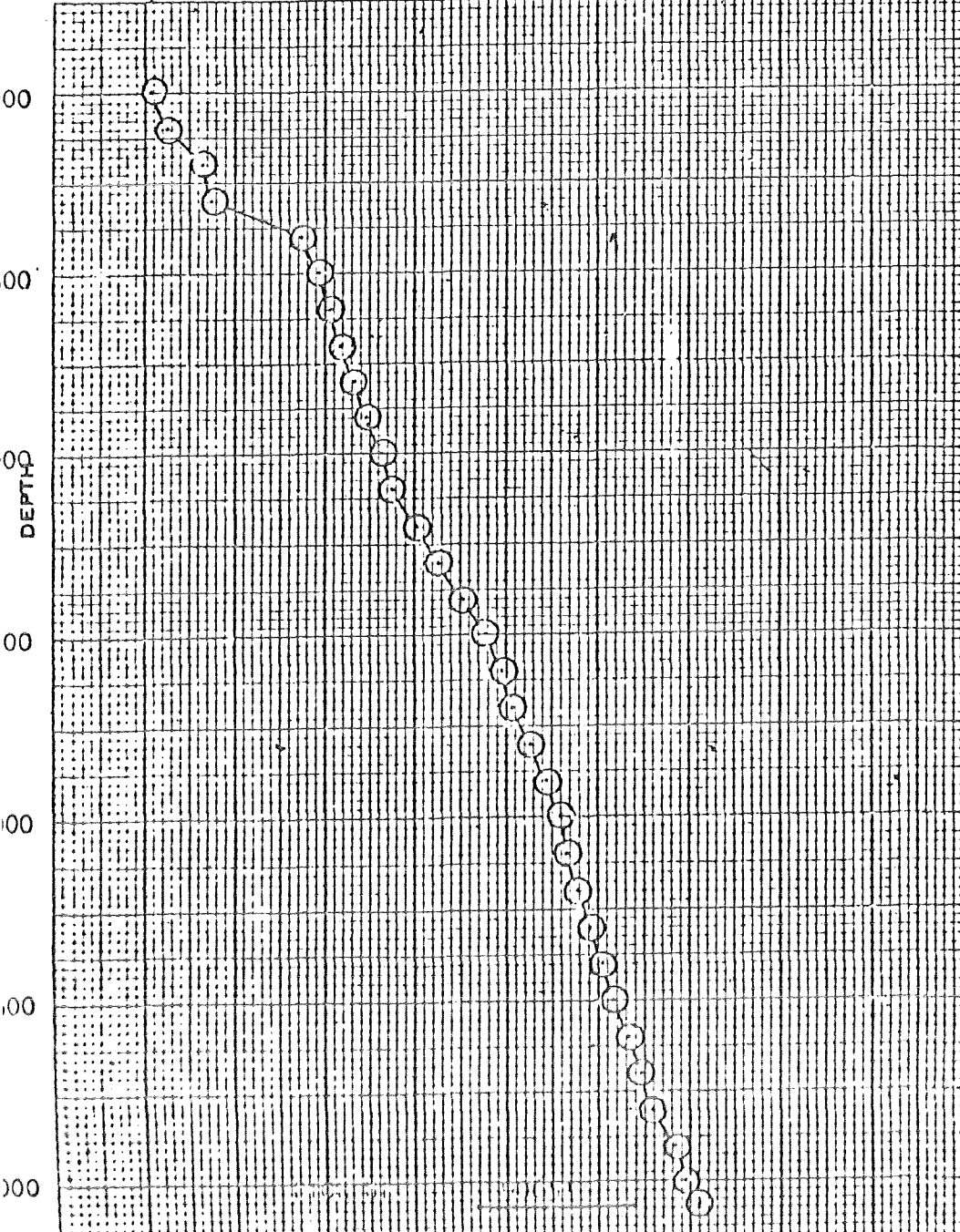
AGNEW AND SWEET
3914 GILMORE AVENUE
BAKERSFIELD, CALIFORNIA
93308

24 HOUR PHONE 327-2267
AREA CODE 805

SUBSURFACE TEMPERATURE SURVEY

OWNER: GEOTHERMAL KINETICS FIELD: HIGLEY WELL NAME: POWERS NO. 1
 CASING: ELEV.: DATE: MARCH 24, 1973
 LINER DESCRIPTION: ZERO POINT: AT KELLEY
 DEPTH: 9065'
 ZONE:
 TUBING DETAIL: None INSTRUMENT: 96° - 662° FAH
 SERIAL NO: 10025
 12 Hour 7 Turns
 MAX TEMP: 261.0 °F @ 9065'
 PUMP SHOE: GAS ANCHOR: INTAKE:
 PURPOSE: STATIC TEMPERATURE GRADIENT SURVEY
 REMARKS: PICK UP AT 9065'

190 200 210 220 230 240 250 260 270 280 290



STABILIZATION PERIOD
 GROSS OIL RATE B/D
 NET OIL RATE B/D
 FORMATION GAS MCF/D
 GOR CFT/BBL
 CIRCULATED GAS MCF/D
 OIL DRY GRAVITY °API
 PRESSURES: OBS: COR:
 CASING PSIG: OPEN OPEN
 TUBING PSIG:

DEPTH	TEMP.	DEPTH	TEMP.
6000	200.7	7600	239.8
6100	202.6	7700	240.7
6200	206.6	7800	241.9
6300	207.5	7900	244.5
6400	217.3	8000	245.0
6500	219.4	8100	246.6
6600	220.6	8200	247.9
6700	221.9	8300	249.1
6800	223.4	8400	250.3
6900	224.6	8500	251.6
7000	226.2	8600	253.1
7100	227.7	8700	254.7
7200	230.2	8800	255.9
7300	232.7	8900	257.3
7400	235.2	9000	259.2
7500	237.0	9065	261.0

TIME ON BOTTOM
 12:26 A.M. 3-25-73
 TIME OFF BOTTOM
 1:26 A.M. 3-25-73

RECEIVED
 APR 1 1973
 O & G CONS. CO.

AGNEW AND SWEET

3914 GILMORE AVENUE

BAKERSFIELD, CALIFORNIA

93308

4 HOUR PHONE 327 226
AREA CODE 805

SUBSURFACE PRESSURE SURVEY

Production
percolists

OWNER: GENERAL INVESTMENT FIELD: HECLAY

CASING: _____ ELEV: _____

LINER DESCRIPTION: _____

TUBING DETAIL: _____

PUMP SHOE: _____ GAS ANCHOR: _____ INTAKE: _____

PURPOSE: FORMED PRESSURE GRADIENT SURVEY

REMARKS: PICK UP AT 9050'

WELL NAME: WELL NO. 1

DATE: JUNE 20, 1973

ZERO POINT: AT KELLEY

DEPTH: _____

ZONE: _____

IND. PR. MEAS: 1400 PS

SERIAL NO.: 14002N

12 HOUR 7 1/2 Turns

MAX TEM: 262.2 F @ 9050'

0 400' 800 1200 1600 PRESSURE 2000 2800 3200 3600 4000

STABILIZATION PERIOD

GROSS OIL RATE B/D _____

NET OIL RATE B/D _____

FORMATION GAS MCF/D _____

GOR CFT/BB _____

CIRCULATED GAS MCF/D _____

OIL DRY GRAVITY, API _____

PRESSURES OBS CCR

CASING PSI _____

TUBING PSI _____

DEPTH PRESSURE GRADIENT

500 ---

1000 180 .180

1500 402 .444

2000 627 .450

2500 849 .444

3000 1072 .446

3500 1297 .450

4000 1526 .476

4500 1753 .434

5000 1973 .440

5500 2193 .440

6000 2406 .426

6500 2514 .432

7000 2624 .440

7250 2743 .476

7500 2860 .468

7750 2971 .449

8000 3089 .472

8250 3200 .444

8500 3320 .480

8750 3441 .484

9000 3561 .480

9250 3680 .476

9500 3323 .477

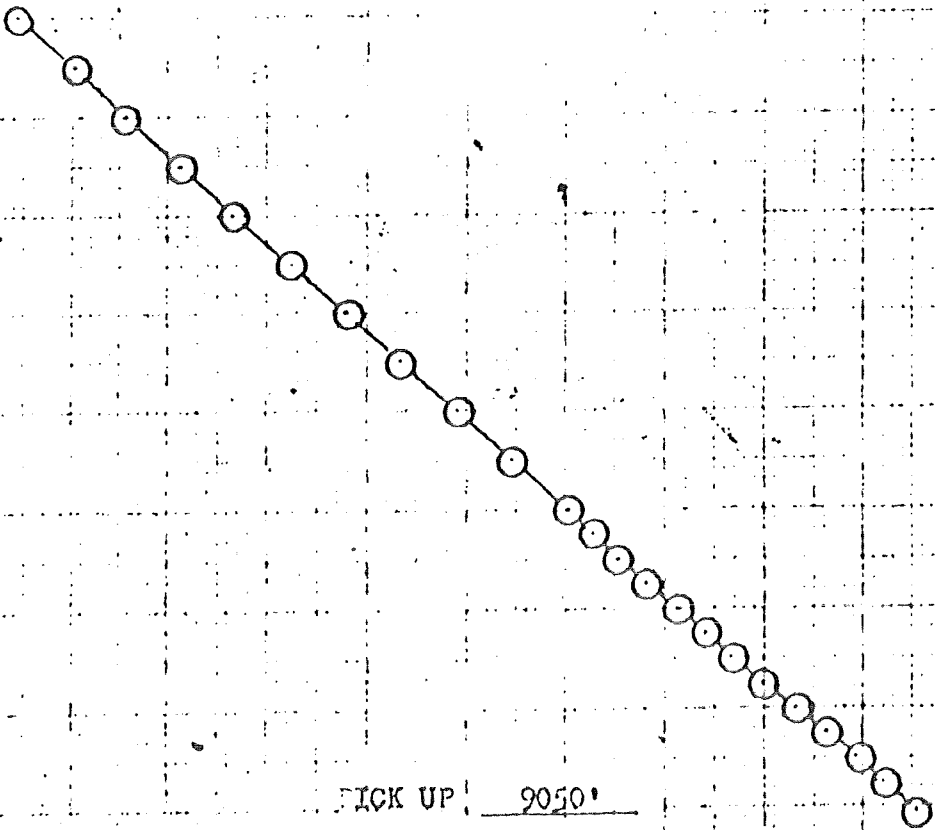
TIME ON BOTTOM

1:55 P.M. 7-20-73

TIME OFF BOTTOM

2:05 P.M. 7-20-73

WELL HEAD _____



AGNEW and SWEET

3914 Gilmore Avenue
Bakersfield, California 93308

24-Hour Phone: 327-2267

SUBSURFACE SURVEY

Field Work Sheet

Production

Specialists

OWNER: Goodland Kinetics FIELD: _____ WELL NAME: P300 #11
 CASING: _____ ELEV.: _____ DATE: 4-16-72
 LINER DESCRIPTION: _____ ZERO POINT: At Kelly
 _____ DEPTH: _____
 TUBING DETAIL: _____ ZONE: _____
 PUMP SHOE: _____ GAS ANCHOR: _____ INTAKE: _____
 PURPOSE: _____
 REMARKS: _____

ELEMENT	SERIAL NO.	CLOCK	TURN	STABILIZATION PERIOD
ENGAGE SYLUS		DISENGAGE SYLUS		GROSS OIL RATE B/D
OBS TBG. PRESS.		OBS. CBG. PREBB.		NET OIL RATE B/D
COR TBG PRESS.		COR. CBG. PRESS.		FORMATION GAS MCF/D
PICKUP <u>7/8" ID</u>	TIME ON BOTTOM	MAX. °F		GOR CFT/BBL
WELL STATUS				CIRCULATED GAS MCF/D
SHUT IN:	ON PRODUCTION:			OIL DRY GRAVITY °API
				BEAN SIZE

Press						Press												
TIME	DEPTH	DEFL.	P-T	GRAD.	/D	TIME	DEPTH	DEFL.	P-T	GRAD.	/D	TIME	DEPTH	DEFL.	P-T	GRAD.	/D	
	0						8900	3164	44.0									
	400		0				9000	3311	47.0									
	450		13				9100	3859	48.0									
	1000		231	41.4			9180	3893	48.5									
	2000		651	42.0														
	3000		1117	46.6			1000	291	47.6									
	4000		1575	45.1			430	29	44.0									
	5000		2007	43.9			400	7	-									
	6000		2439	43.2														
	6100		2482	43.0														
	6200		2527	43.0														
	6300		2570	43.0														
	6400		2613	43.0														
	6500		2660	47.0														
	6600		2707	47.0														
	7000		2824	46.8														
	7100		2937	45.9														
	7200		2986	47.0														
	7700		3223	47.1														
	7800		3268	45.0														
	7900		3316	45.0														
	8000		3366	50.0														
	8100		3411	45.0														
	8200		3452	47.0														
	8500		3720	61.3														

COMMENTS:

RECEIVED
 APR 20 1972
 O & G CONS. COMM.