

PRUETT INDUSTRIES INC
8915 ROSEDALE HWY, BAKERSFIELD, CA. 93308
(805) 589-2768

SUB-SURFACE TEMPERATURE SURVEY

CO. PHILLIPS		RUN 01 FIELD STEAMBOAT SPRGS WELL #1-STEAMBOAT
EFF DEPTH 3036'		WELL STAT STATIC TOOL HUNG
CASING 13 3/8TO	-1322'	CASING PRESS ON BOTTOM 1:12
LINER	-	TUBING PRESS OFF BOTTOM 1:27
DATE 101885		ELEMENT RANGE 50 - 596 ZERO POINT 23'
ELEVATION		ZONE SHUT-IN
MAX TEMP		PICK-UP 3036' ON-PROD
PERF	-	CAL SER NO. 27915 MPP
TUBING	-	
UNITS ENGLISH		PURPOSE STATIC TEMP TRAVERSE

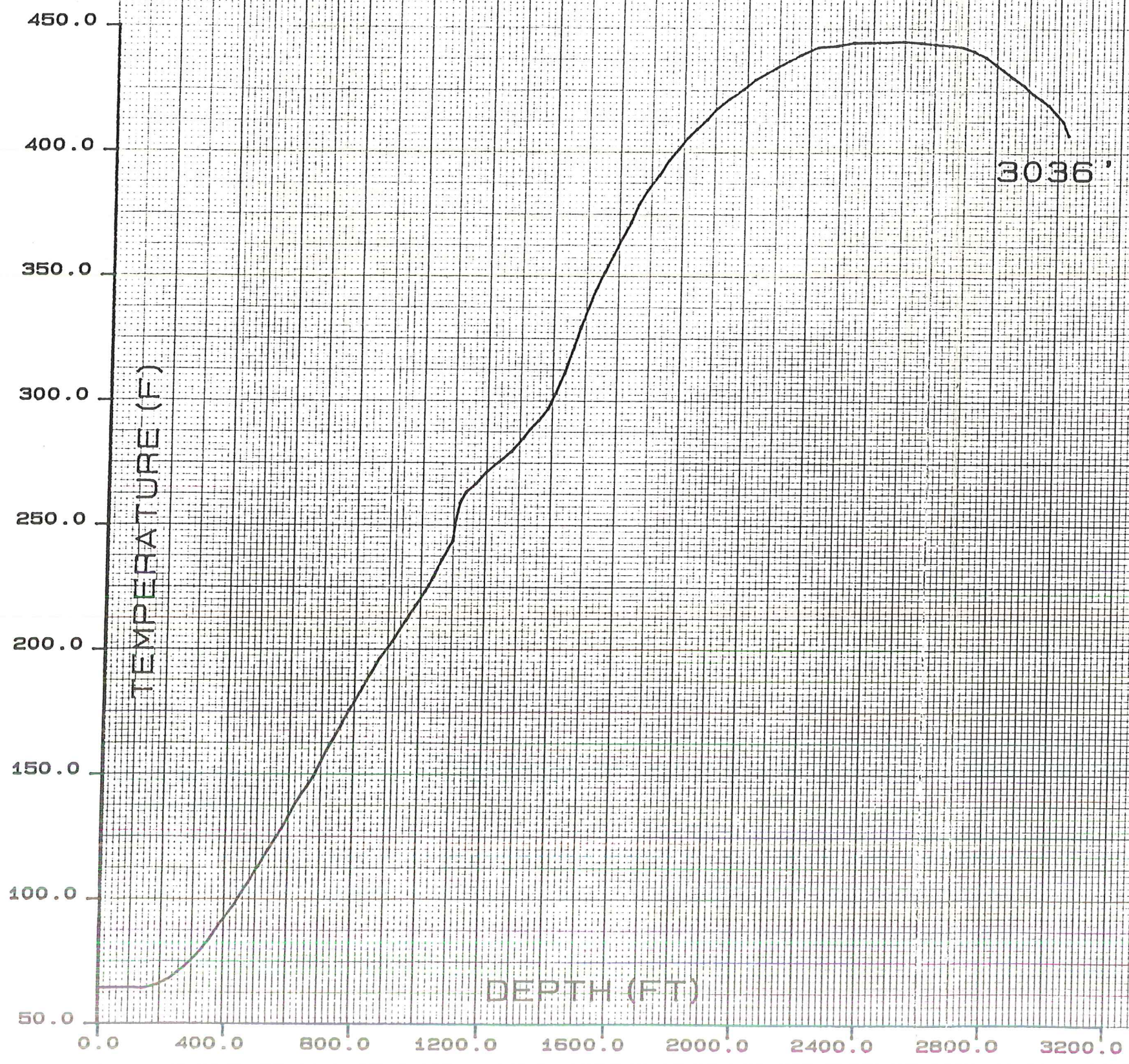
SURVEY DATA

CO. PHILLIPS				RUN 01 FIELD STEAMBOAT SPRGS WELL #1-STEAMBOAT			
TIME	DEPTH	P/T	GRAD	TIME	DEPTH	P/T	GRAD
10:40	0	64.2	0.000	11:35	1105	252.0	0.000
10:42	45	64.6	0.000	11:36	1117	258.7	0.000
10:44	90	64.5	0.000	11:37	1136	263.3	0.000
10:47	138	64.0	0.000	11:38	1164	266.4	0.000
10:49	184	65.7	0.000	11:40	1196	271.1	0.000
10:51	224	68.1	0.000	11:41	1233	275.1	0.000
10:53	267	72.3	0.000	11:44	1273	279.4	0.000
10:55	307	77.0	0.000	11:46	1307	284.5	0.000
10:57	344	82.4	0.000	11:47	1331	288.5	0.000
10:59	384	90.3	0.000	11:48	1357	291.9	0.000
11:01	425	97.1	0.000	11:49	1385	296.5	0.000
11:03	465	105.3	0.000	11:50	1408	302.9	0.000
11:05	499	112.4	0.000	11:52	1434	310.7	0.000
11:07	534	119.9	0.000	11:53	1461	320.4	0.000
11:09	575	128.1	0.000	11:54	1483	328.9	0.000
11:11	620	138.7	0.000	11:55	1506	336.9	0.000
11:14	671	148.4	0.000	11:56	1529	344.2	0.000
11:16	713	159.5	0.000	11:58	1555	351.2	0.000
11:17	751	168.0	0.000	11:59	1583	358.3	0.000
11:19	782	175.7	0.000	12:01	1610	364.9	0.000
11:20	813	182.6	0.000	12:02	1636	371.1	0.000
11:22	845	189.9	0.000	12:03	1660	378.4	0.000
11:23	873	196.4	0.000	12:05	1690	384.4	0.000
11:26	911	203.1	0.000	12:06	1724	390.2	0.000
11:28	951	211.2	0.000	12:08	1754	396.0	0.000
11:29	984	217.8	0.000	12:09	1784	400.8	0.000
11:31	1011	223.2	0.000	12:11	1812	405.3	0.000
11:32	1036	229.0	0.000	12:12	1840	408.7	0.000
11:33	1063	236.1	0.000	12:14	1874	412.8	0.000
11:35	1097	243.7	0.000	12:15	1904	417.0	0.000



STATIC TEMPERATURE TRAVERSE

PHILLIPS
STEAMBOAT SPRGS
#1-STEAMBOAT
10/18/85



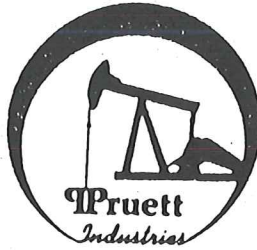
3036'

file 01ST#1-S

Pruett

INDUSTRIES, INC.

8915 Rosedale Hwy, Bakersfield, Ca. 93308
(805) 689-2788



FIELD REPORT

COMPANY Caithness Power FIELD Steamboat Hills WELL NAME SB-1
 CASING Shoe 1332' ELEV. DATE: 12-16-87
 LINER DESCRIPTION: ZERO POINT 32'
 PERFORATION: DEPTH 2805
 TUBING DETAIL: ZONE

PUMPSHOE GAS ANCHOR INTAKE
 PURPOSE
 REMARKS: 4100 16430 12 7 1/2
 ELEMENT SERIAL NO. 29809 12CLOCK 33504 7 1/2 TURN
 ELEMENT SERIAL NO. 31 12CLOCK 32766 7 1/2 TURN
 ENGAGE SYLUS 9:30 AM DISENGAGE SYLUS 12:35 STABILIZATION PERIOD
 OBS. TBG. PRESS. OBS. CSG. PRESS. GROSS OIL RATE B/D
 COR. TBG. PRESS. COR. CSG. PRESS. NET OIL RATE B/D
 PICKUP @ 2804' TIME ON BOTTOM 11:46 MAX. °F
 WELL STATUS Flowing 100% TIME OFF BOTTOM 11:56 FORMATION GAS MCF/D
 SHUT IN: ON PRODUCTION: GOR CFT / BBL.
NEAR THE WFL BREAK CIRCULATED GAS MCF/D
 OIL DRY GRAVITY °API
 BEAN SIZE

TIME	DEPTH	DEFL.	P-T	GRAD.	/D	TIME	DEPTH	DEFL.	P-T	GRAD.	/D	TIME	DEPTH	DEFL.	P-T	GRAD.	/D	
56-01	2000	1.849	423.0				170		321.0									
2-07	2100	1.855	424.5				186		352.5	0.315								
7 ⁵⁰ -13 ⁴⁰	2200	1.860	425.0				208		396.0	.436								
5 ²⁵ -18 ⁴⁵	2300	1.860	425.0				222		424.0									
14-24	2400	1.861	425.8				241		462.2									
4 ³⁰ -29 ³⁰	2500	1.861	426.0				259		498.5									
7 ⁰ -35 ³⁰	2600	1.862	426.0				277		535.0									
35 ³⁰ -40 ³⁰	2700	1.865	426.7				297		575.3									
4 ⁴⁰ -46 ³⁰	2800	1.941	X?				X											
4 ⁶ -51 ³⁰	2804	1.991	X?				X											

COMMENTS: could only get down to 450' Pull Back out and hold 5' of 1 1/2" Band Back in

OPERATOR J.H. / Chris R.

PRUETT INDUSTRIES, INC.
 8905 ROSEDALE HWY. BAKERSFIELD, CA. 93312
 (805) 589-2768 TELEX 4992440 PRUETT INT.

SUB-SURFACE TEMPERATURE SURVEY

CO. CAITHNESS POWER		RUN 4A FIELD STEAMBOAT HILLS WELL 21-5
EFF DEPTH 2957'		WELL STAT STATIC
CASING 13 3/8 to -1332'		TOOL HUNG
LINER -		ON BOTTOM 9:45am
DATE 061488		OFF BOTTOM 10:07am
ELEVATION		ZERO POINT 29'
MAX TEMP		SHOT-IN
PERF OPEN -HOLE		ON-PROD
TUBING -		APP
UNITS ENGLISH		PURPOSE STATIC TEMP SURVEY 6/14/88

SURVEY DATA

CO. CAITHNESS POWER				RUN 4A FIELD STEAMBOAT HILLS WELL 21-5			
TIME	DEPTH	P/T	GRAD	TIME	DEPTH	P/T	GRAD
1:00	0	68.9	0.000	1:00	2340	441.4	0.000
1:00	500	217.8	0.000	1:00	2360	441.2	0.000
1:00	1000	248.2	0.000	1:00	2380	441.0	0.000
1:00	1400	340.1	0.000	1:00	2400	441.0	0.000
1:00	1600	367.3	0.000	1:00	2420	440.7	0.000
1:00	1800	399.2	0.000	1:00	2440	440.7	0.000
1:00	2000	419.5	0.000	1:00	2460	440.5	0.000
1:00	2020	420.2	0.000	1:00	2480	440.2	0.000
1:00	2040	421.4	0.000	1:00	2500	440.2	0.000
1:00	2060	422.6	0.000	1:00	2520	440.2	0.000
1:00	2080	423.8	0.000	1:00	2540	440.2	0.000
1:00	2100	425.0	0.000	1:00	2560	440.2	0.000
1:00	2120	426.2	0.000	1:00	2580	440.2	0.000
1:00	2140	427.4	0.000	1:00	2600	440.2	0.000
1:00	2160	428.6	0.000	1:00	2620	440.2	0.000
1:00	2180	429.8	0.000	1:00	2640	439.7	0.000
1:00	2200	430.5	0.000	1:00	2660	439.0	0.000
1:00	2220	432.0	0.000	1:00	2680	437.6	0.000
1:00	2240	433.2	0.000	1:00	2700	435.1	0.000
1:00	2260	434.6	0.000	1:00	2720	433.5	0.000
1:00	2280	436.3	0.000	1:00	2740	432.7	0.000
1:00	2300	438.3	0.000	1:00	2760	431.7	0.000
1:00	2320	440.0	0.000	1:00	2780	430.8	0.000

BY S. THOMPSON/D. KESSLER

