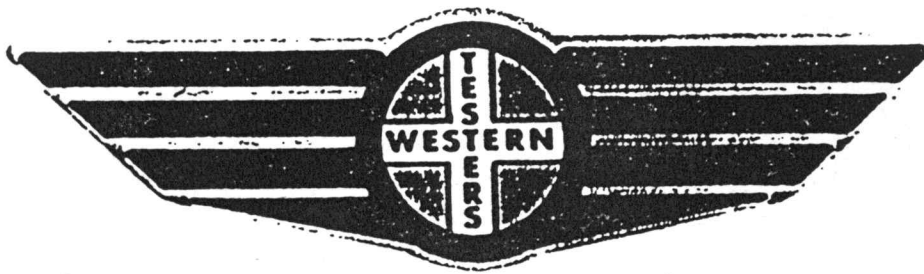


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PAN-

WESTERN PETROLEUM, INC. LEASE & WELL NO.

WHITTED B-1

SEC. 12

TWP. 29S

RGE. 3E

TEST NO. 1

DATE

3/6/89

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3/6/89
CUSTOMER : PAN WESTERN PERTROLEUM INC.
WELL : 1-B TEST: 1
ELEVATION : 1215 GL
SECTION : 12
RANGE : 3E COUNTY : BUTLER
GAUGE SN# : 4332 RANGE : 4200
TICKET : 14301
LEASE : WHITTED
GEOLOGIST : ELSTER
FORMATION : KC
TOWNSHIP : 29S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 2194 TO : 2230 TOTAL DEPTH : 2230
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 2189 SIZE : 6.63
PACKER DEPTH : 2194 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 40
WEIGHT : 9.2 WATER LOSS (CC) : 9.1
CHLORIDES (PPM) : 2000
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 310 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 1664 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 36 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD-VERY WEAK STEADY 1 INCH BLOW
BLOW COMMENT #2 : FINAL FLOW PERIOD-VERY WEAK STEADY 1/2 INCH BLOW
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: SLOGM 5%OIL:10%GAS
RECOVERED : 60 FT OF: OCGM 10%OIL:30%GAS
RECOVERED : 60 FT OF: OCGM 25%OIL:25%GAS

Total Barrels Fluid = 0.91
Total Fluid Prod Rate = 10.93 BFPD
Indicated Oil Rate = 0.55 BOPD
Indicated Wtr Rate = 0.11 BWPD

REMARK 1 : 120 FT OF GAS ABOVE FLUID
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 2:25 AM

TIME STARTED OFF BOTTOM : 6:25 AM

WELL TEMPERATURE : 95

INITIAL HYDROSTATIC PRESSURE

(A) 1082

INITIAL FLOW PERIOD MIN: 60

(B) 37 PSI TO (C) : 37

INITIAL CLOSED IN PERIOD MIN: 60

(D) 723

FINAL FLOW PERIOD MIN: 60

(E) 69 PSI TO (F) : 69

FINAL CLOSED IN PERIOD MIN: 60

(G) 698

FINAL HYDROSTATIC PRESSURE

(H) 1044

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : PAN WESTERN PERTROLEUM INC.
RIG : BUTLER-KANSAS
FIELD : WHITTED 1-B
WELL : 1-B
DATE : 3/6/89
GAUGE NO : 4332

OPERATIONAL COMMENTS

120 FT OF GAS ABOVE FLUID

COMPANY : PAN WESTERN PERTROLEUM INC.
 WELL : 1-B
 GAUGE # : 4332
 DATE : 6/ 3/89

FIELD : WHITTED 1-B
 JOB # : 14301
 DEPTH : 2230
 TEST : 120 FT OF GAS ABOVE FLUID

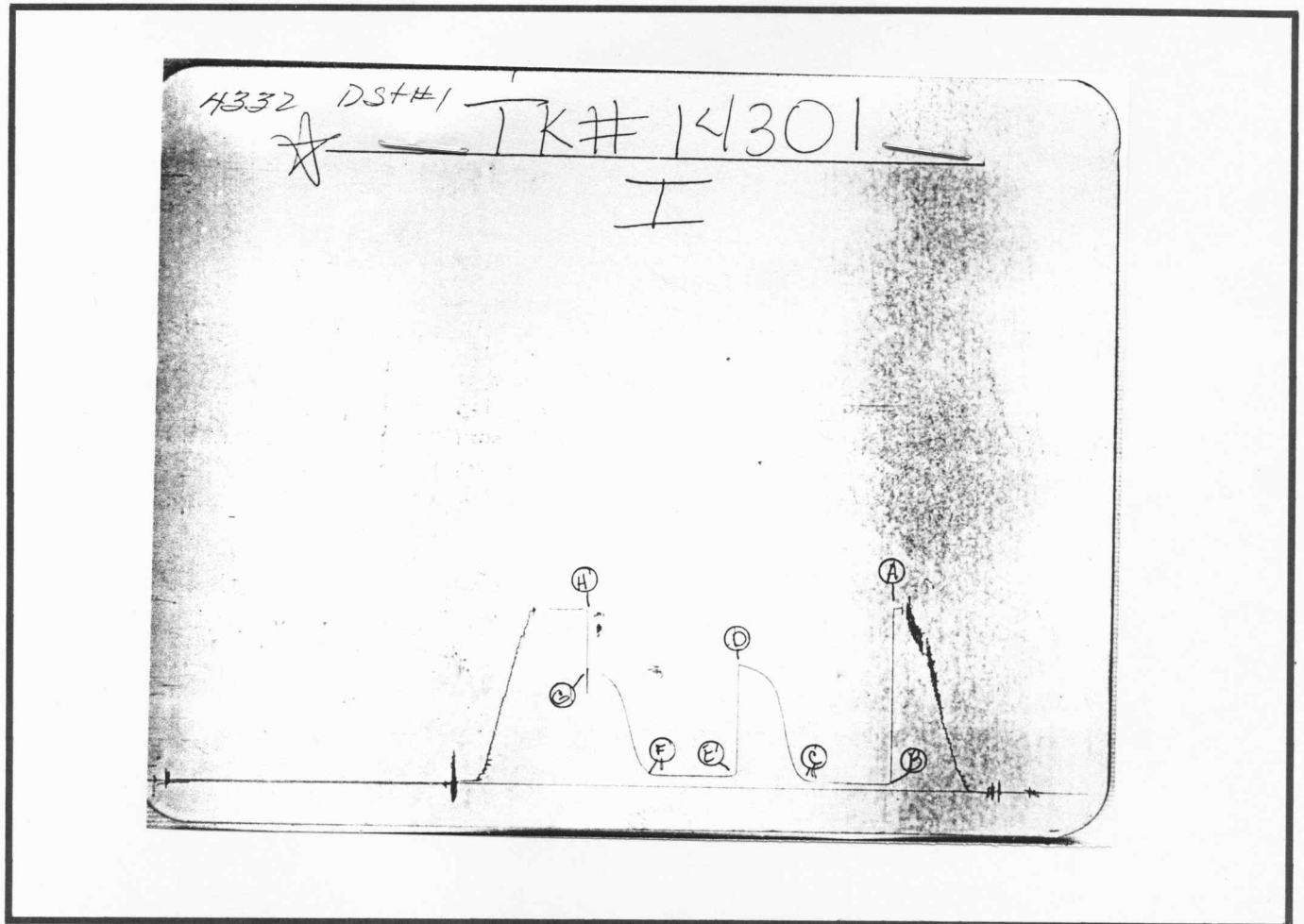
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	2:25: 0	0.000	37.000	95.00	0.000
3	2:29:59	0.083	37.000	95.00	0.000
4	2:35: 0	0.167	37.000	95.00	0.000
5	2:40: 0	0.250	37.000	95.00	0.000
6	2:44:59	0.333	37.000	95.00	0.000
7	2:50: 0	0.417	37.000	95.00	0.000
8	2:55: 0	0.500	37.000	95.00	0.000
9	2:59:59	0.583	37.000	95.00	0.000
10	3: 5: 0	0.667	37.000	95.00	0.000
11	3:10: 0	0.750	37.000	95.00	0.000
12	3:14:59	0.833	37.000	95.00	0.000
13	3:20: 0	0.917	37.000	95.00	0.000
14	3:25: 0	1.000	37.000	95.00	0.000
INITIAL SHUT-IN PERIOD					
15	3:28: 0	1.050	37.000	95.00	0.000
16	3:31: 0	1.100	49.000	95.00	12.000
17	3:34: 0	1.150	54.000	95.00	5.000
18	3:37: 0	1.200	74.000	95.00	20.000
19	3:40: 0	1.250	101.000	95.00	27.000
20	3:43: 0	1.300	156.000	95.00	55.000
21	3:46: 0	1.350	233.000	95.00	77.000
22	3:49: 0	1.400	330.000	95.00	97.000
23	3:52: 0	1.450	446.000	95.00	116.000
24	3:55: 0	1.500	528.000	95.00	82.000
25	3:58: 0	1.550	588.000	95.00	60.000
26	4: 1: 0	1.600	626.000	95.00	38.000
27	4: 4: 0	1.650	655.000	95.00	29.000
28	4: 7: 0	1.700	673.000	95.00	18.000
29	4:10: 0	1.750	687.000	95.00	14.000
30	4:13: 0	1.800	698.000	95.00	11.000
31	4:16: 0	1.850	710.000	95.00	12.000
32	4:19: 0	1.900	717.000	95.00	7.000
33	4:22: 0	1.950	722.000	95.00	5.000
34	4:25: 0	2.000	723.000	95.00	1.000
FINAL FLOW PERIOD					
35	4:26: 0	2.017	69.000	95.00	-654.000
36	4:29:59	2.083	69.000	95.00	0.000
37	4:35: 0	2.167	69.000	95.00	0.000
38	4:40: 0	2.250	69.000	95.00	0.000
39	4:44:59	2.333	69.000	95.00	0.000
40	4:50: 0	2.417	69.000	95.00	0.000
41	4:55: 0	2.500	69.000	95.00	0.000
42	4:59:59	2.583	69.000	95.00	0.000
43	5: 5: 0	2.667	69.000	95.00	0.000
44	5:10: 0	2.750	69.000	95.00	0.000
45	5:14:59	2.833	69.000	95.00	0.000
46	5:20: 0	2.917	69.000	95.00	0.000
47	5:25: 0	3.000	69.000	95.00	0.000
FINAL SHUT-IN PERIOD					
48	5:28: 0	3.050	69.000	95.00	0.000

COMPANY : PAN WESTERN PERTROLEUM INC.
WELL : 1-B
GAUGE # : 4332
DATE : 6/ 3/89

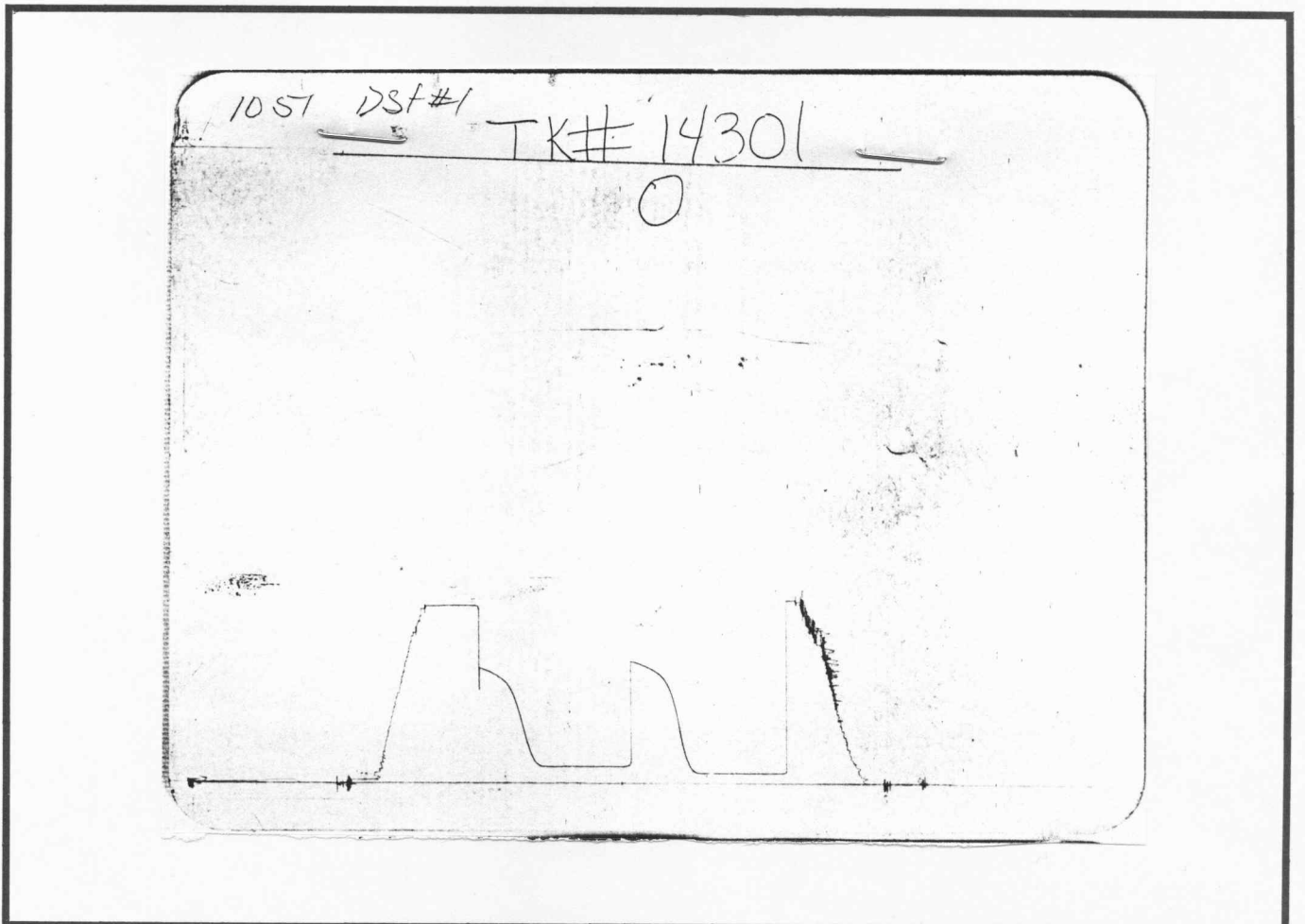
FIELD : WHITTED 1-B
JOB # : 14301
DEPTH : 2230
TEST : 120 FT OF GAS ABOVE FLUID

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
49	5:31: 0	3.100	69.000	95.00	0.000
50	5:34: 0	3.150	80.000	95.00	11.000
51	5:37: 0	3.200	102.000	95.00	22.000
52	5:40: 0	3.250	129.000	95.00	27.000
53	5:43: 0	3.300	179.000	95.00	50.000
54	5:46: 0	3.350	244.000	95.00	65.000
55	5:49: 0	3.400	325.000	95.00	81.000
56	5:52: 0	3.450	407.000	95.00	82.000
57	5:55: 0	3.500	490.000	95.00	83.000
58	5:58: 0	3.550	545.000	95.00	55.000
59	6: 1: 0	3.600	588.000	95.00	43.000
60	6: 4: 0	3.650	619.000	95.00	31.000
61	6: 7: 0	3.700	636.000	95.00	17.000
62	6:10: 0	3.750	654.000	95.00	18.000
63	6:13: 0	3.800	665.000	95.00	11.000
64	6:16: 0	3.850	674.000	95.00	9.000
65	6:19: 0	3.900	695.000	95.00	21.000
66	6:22: 0	3.950	697.000	95.00	2.000
67	6:25: 0	4.000	698.000	95.00	1.000

WESTERN TESTING CO. INC.

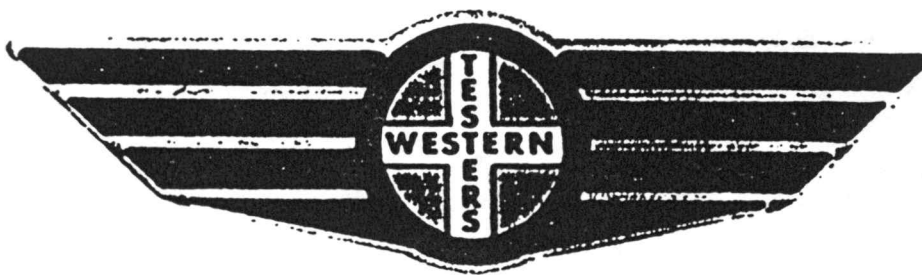


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PAN-WESTERN PETROLEUM, INC. LEASE & WELL NO. WHITTED B-1 SEC. 12 TWP. 29S RGE. 3E TEST NO. 2 DATE 3/8/89

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 3/8/89 TICKET : 14302
CUSTOMER : PAN WESTERN PETROLEUM INC. LEASE : WHITTED
WELL : B-1 TEST: 2 GEOLOGIST : ELSTER
ELEVATION : 1215 GL FORMATION : SIMPSON
SECTION : 12 TOWNSHIP : 29S
RANGE : 3E COUNTY : BUTLER STATE : KANSAS
GAUGE SN# : 4332 RANGE : 4200 CLOCK : 12

INTERVAL FROM : 2910 TO : 2915 TOTAL DEPTH : 2915
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 2905 SIZE : 6.63
PACKER DEPTH : 2910 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 38
WEIGHT : 9.4 WATER LOSS (CC) : 16.4
CHLORIDES (PPM) : 2000
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 310 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 2575 FT I.D. inch : 3.80
TEST TOOL LENGTH : 25 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 5 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD-VERY WEAK BLOW 1/16 INCH INTO WATER
BLOW COMMENT #2 : DIED ON IFP
BLOW COMMENT #3 : FINAL FLOW PERIOD-FEW BUBBLES
BLOW COMMENT #4 :

RECOVERED : 25 FT OF: OIL SPOTTED MUD

Total Barrels Fluid = 0.15
Total Fluid Prod Rate = 2.43 BFPD
Indicated Wtr Rate = 0.24 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	8:40 PM	TIME STARTED OFF BOTTOM :	12:10 AM
WELL TEMPERATURE :	108		
INITIAL HYDROSTATIC PRESSURE		(A)	1456
INITIAL FLOW PERIOD MIN:	60	(B)	11 PSI TO (C) : 11
INITIAL CLOSED IN PERIOD MIN:	57	(D)	981
FINAL FLOW PERIOD MIN:	30	(E)	50 PSI TO (F) : 50
FINAL CLOSED IN PERIOD MIN:	60	(G)	964
FINAL HYDROSTATIC PRESSURE		(H)	1434

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : PAN WESTERN PETROLEUM INC.
RIG : BUTLER-KANSAS
FIELD : WHITTED
WELL : B-1
DATE : 3/8/89
GAUGE NO : 4332

OPERATIONAL COMMENTS

COMPANY : PAN WESTERN PETROLEUM INC.

WELL : B-1

GAUGE # : 4332

DATE : 8/ 3/89

FIELD : WHITTED

JOB # : 14302

DEPTH : 2915

TEST :

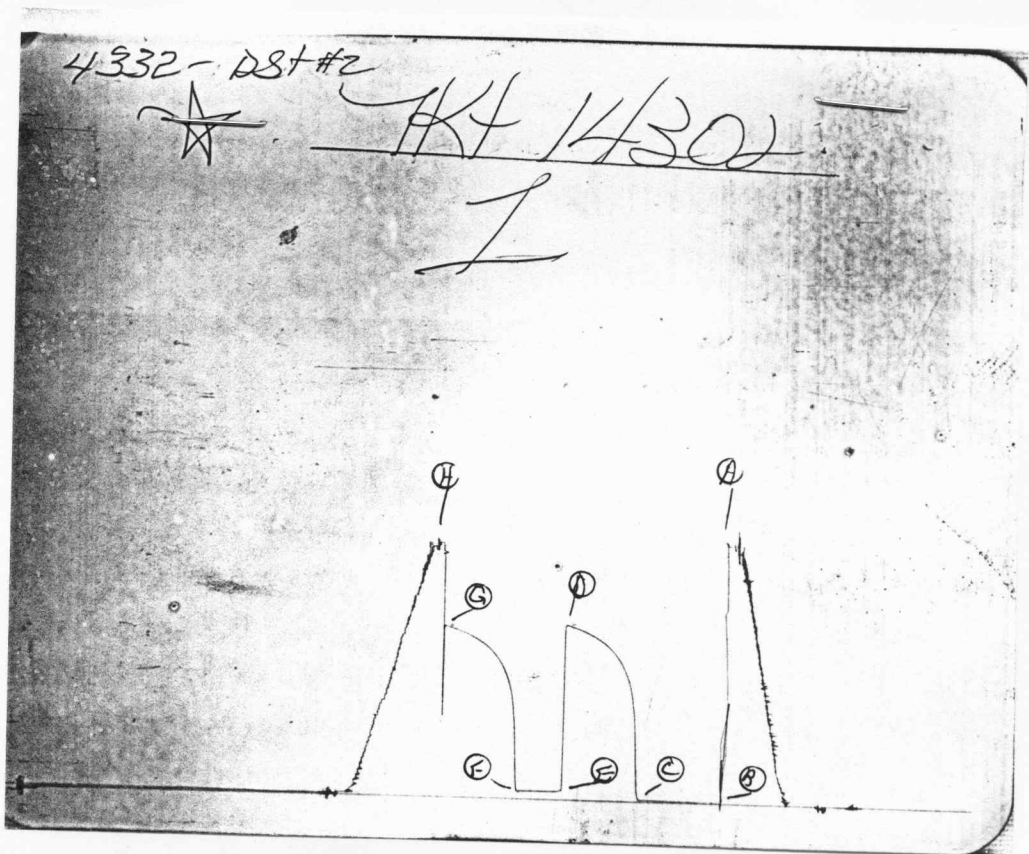
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	9:40:0	0.000	11.000	108.00	0.000
3	8:44:59	0.083	11.000	108.00	0.000
4	8:50:0	0.167	11.000	108.00	0.000
5	8:55:0	0.250	11.000	108.00	0.000
6	8:59:59	0.333	11.000	108.00	0.000
7	9:05:0	0.417	11.000	108.00	0.000
8	9:10:0	0.500	11.000	108.00	0.000
9	9:14:59	0.583	11.000	108.00	0.000
10	9:20:0	0.667	11.000	108.00	0.000
11	9:25:0	0.750	11.000	108.00	0.000
12	9:29:59	0.833	11.000	108.00	0.000
13	9:35:0	0.917	11.000	108.00	0.000
14	9:40:0	1.000	11.000	108.00	0.000
INITIAL SHUT-IN PERIOD					
15	9:43:0	1.050	183.000	108.00	172.000
16	9:46:0	1.100	535.000	108.00	352.000
17	9:49:0	1.150	657.000	108.00	122.000
18	9:52:0	1.200	721.000	108.00	64.000
19	9:55:0	1.250	767.000	108.00	46.000
20	9:58:0	1.300	802.000	108.00	35.000
21	10:01:0	1.350	830.000	108.00	28.000
22	10:04:0	1.400	854.000	108.00	24.000
23	10:07:0	1.450	876.000	108.00	22.000
24	10:10:0	1.500	895.000	108.00	19.000
25	10:13:0	1.550	909.000	108.00	14.000
26	10:16:0	1.600	921.000	108.00	12.000
27	10:19:0	1.650	933.000	108.00	12.000
28	10:22:0	1.700	945.000	108.00	12.000
29	10:25:0	1.750	954.000	108.00	9.000
30	10:28:0	1.800	962.000	108.00	8.000
31	10:31:0	1.850	969.000	108.00	7.000
32	10:34:0	1.900	976.000	108.00	7.000
33	10:37:0	1.950	981.000	108.00	5.000
FINAL FLOW PERIOD					
34	10:38:0	1.967	50.000	108.00	-931.000
35	10:41:59	2.033	50.000	108.00	0.000
36	10:47:0	2.117	50.000	108.00	0.000
37	10:52:0	2.200	50.000	108.00	0.000
38	10:56:59	2.283	50.000	108.00	0.000
39	11:02:0	2.367	50.000	108.00	0.000
40	11:07:0	2.450	50.000	108.00	0.000
FINAL SHUT-IN PERIOD					
41	11:10:0	2.500	53.000	108.00	3.000
42	11:13:0	2.550	443.000	108.00	390.000
43	11:16:0	2.600	608.000	108.00	165.000
44	11:19:0	2.650	688.000	108.00	80.000
45	11:22:0	2.700	739.000	108.00	51.000
46	11:25:0	2.750	778.000	108.00	39.000
47	11:28:0	2.800	810.000	108.00	32.000
48	11:31:0	2.850	832.000	108.00	22.000

COMPANY : PAN WESTERN PETROLEUM INC.
WELL : B-1
GAUGE # : 4332
DATE : 8/ 3/89

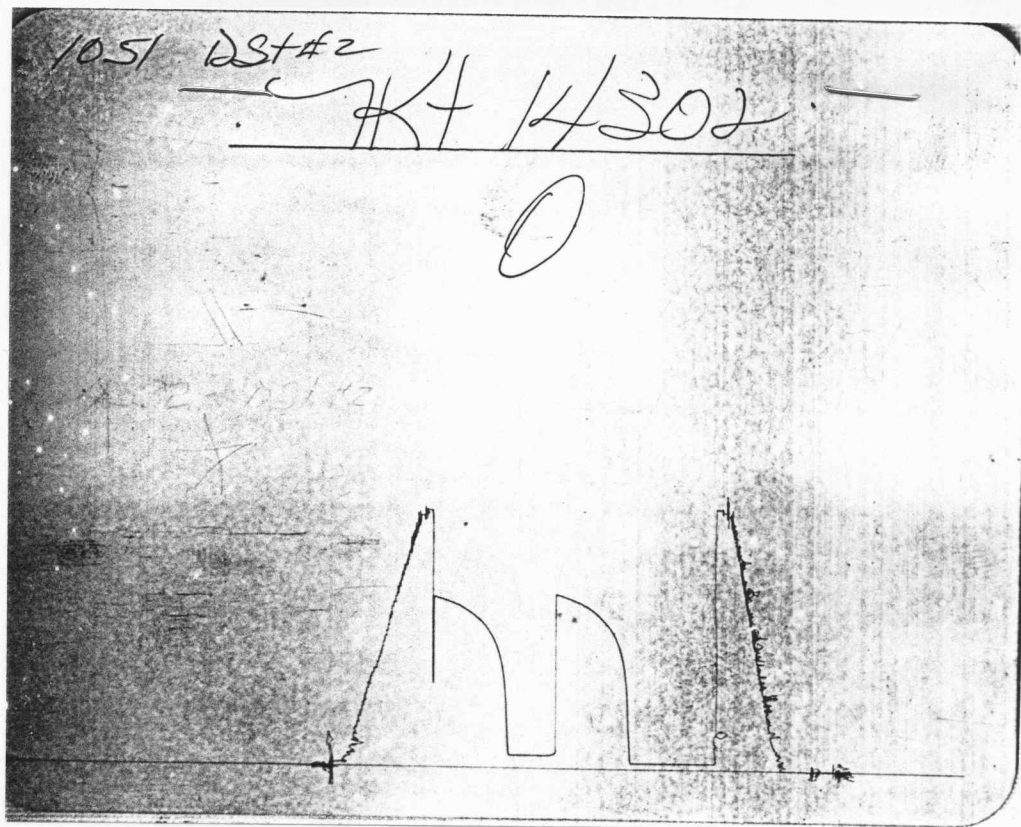
FIELD : WHITTED
JOB # : 14302
DEPTH : 2915
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
49	11:34: 0	2.900	854.000	108.00	22.000
50	11:37: 0	2.950	872.000	108.00	18.000
51	11:40: 0	3.000	887.000	108.00	15.000
52	11:43: 0	3.050	899.000	108.00	12.000
53	11:46: 0	3.100	910.000	108.00	11.000
54	11:49: 0	3.150	922.000	108.00	12.000
55	11:52: 0	3.200	930.000	108.00	8.000
56	11:55: 0	3.250	939.000	108.00	9.000
57	11:58: 0	3.300	949.000	108.00	10.000
58	12: 1: 0	3.350	953.000	108.00	4.000
59	12: 4: 0	3.400	960.000	108.00	7.000
60	12: 7: 0	3.450	964.000	108.00	4.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder