

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL CO. INC. LEASE & WELL NO. MCCALL #1 SEC. 10 TWP. 11S RGE. 23W TEST NO. 1 DATE 11/30/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11-30-88 TICKET : 14660
CUSTOMER : JAY BOY OIL CO. INC. LEASE : McCALL
WELL : #1 TEST: 1 GEOLOGIST : M BRYAN
ELEVATION : 2263 GL FORMATION : LANSING H
SECTION : 10 TOWNSHIP : 11S
RANGE : 23W COUNTY : TREGO STATE : KANSAS
GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 3634 TO : 3662 TOTAL DEPTH : 3662
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3629 SIZE : 6.63
PACKER DEPTH : 3634 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 16
MUD TYPE : STARCH VISCOSITY : 40
WEIGHT : 9.7 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 27000
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 120 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3494 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 28 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-WEAK BLOW-SLOW BUILD TO 1" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK SURFACE BLWO.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 40 FT OF: MUD / SHOW OF OIL IN TOP OF TOOLS

Total Barrels Fluid = 0.20
Total Fluid Prod Rate = 3.78 BFPD
Indicated Wtr Rate = 0.04 BWPD

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

SET PACKER(S) :	11:55 AM	TIME STARTED OFF BOTTOM :	2:25 PM
WELL TEMPERATURE :	116		
INITIAL HYDROSTATIC PRESSURE		(A)	1900
INITIAL FLOW PERIOD MIN:	30	(B)	37 PSI TO (C) : 37
INITIAL CLOSED IN PERIOD MIN:	33	(D)	832
FINAL FLOW PERIOD MIN:	45	(E)	47 PSI TO (F) : 47
FINAL CLOSED IN PERIOD MIN:	48	(G)	818
FINAL HYDROSTATIC PRESSURE		(H)	1850

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : TREGO-KANSAS
FIELD : McCALL
WELL : #1
DATE : 11-30-88
GAUGE NO : 11018

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
 WELL : #1
 GAUGE # : 11018
 DATE : 30/11/88

FIELD : McCALL
 JOB # : 14660
 DEPTH : 3662
 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					
2	11:55: 0	0.000	37.000	116.00	0.000
3	11:59:59	0.083	37.000	116.00	0.000
4	12: 5: 0	0.167	37.000	116.00	0.000
5	12:10: 0	0.250	37.000	116.00	0.000
6	12:14:59	0.333	37.000	116.00	0.000
7	12:20: 0	0.417	37.000	116.00	0.000
8	12:25: 0	0.500	37.000	116.00	0.000
INITIAL SHUT-IN					
9	12:28: 0	0.550	55.000	116.00	18.000
10	12:31: 0	0.600	264.000	116.00	209.000
11	12:34: 0	0.650	517.000	116.00	253.000
12	12:37: 0	0.700	643.000	116.00	126.000
13	12:40: 0	0.750	710.000	116.00	67.000
14	12:43: 0	0.800	756.000	116.00	46.000
15	12:46: 0	0.850	787.000	116.00	31.000
16	12:49: 0	0.900	809.000	116.00	22.000
17	12:52: 0	0.950	820.000	116.00	11.000
18	12:55: 0	1.000	829.000	116.00	9.000
19	12:58: 0	1.050	832.000	116.00	3.000
FINAL FLOW					
20	12:59: 0	1.067	47.000	116.00	-785.000
21	13: 2:59	1.133	47.000	116.00	0.000
22	13: 8: 0	1.217	47.000	116.00	0.000
23	13:13: 0	1.300	47.000	116.00	0.000
24	13:17:59	1.383	47.000	116.00	0.000
25	13:23: 0	1.467	47.000	116.00	0.000
26	13:28: 0	1.550	47.000	116.00	0.000
27	13:32:59	1.633	47.000	116.00	0.000
28	13:38: 0	1.717	47.000	116.00	0.000
29	13:43: 0	1.800	47.000	116.00	0.000
FINAL SHUT-IN					
30	13:46: 0	1.850	52.000	116.00	5.000
31	13:49: 0	1.900	116.000	116.00	64.000
32	13:52: 0	1.950	282.000	116.00	166.000
33	13:55: 0	2.000	471.000	116.00	189.000
34	13:58: 0	2.050	606.000	116.00	135.000
35	14: 1: 0	2.100	667.000	116.00	61.000
36	14: 3:59	2.150	701.000	116.00	34.000
37	14: 7: 0	2.200	730.000	116.00	29.000
38	14:10: 0	2.250	752.000	116.00	22.000
39	14:13: 0	2.300	774.000	116.00	22.000
40	14:16: 0	2.350	785.000	116.00	11.000
41	14:19: 0	2.400	794.000	116.00	9.000
42	14:21:59	2.450	803.000	116.00	9.000
43	14:25: 0	2.500	809.000	116.00	6.000
44	14:28: 0	2.550	814.000	116.00	5.000
45	14:31: 0	2.600	818.000	116.00	4.000

TKT # 14660

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11018x

Inside Recorder

TKT # 14660

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Outside Recorder

FORMATION TEST REPORT



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Phone (316) 262-5861

MPANY

JAY BOY OIL, INC.

LEASE & WELL NO.

MCCALL #1

SEC. 10

TWP. 11S

RGE. 23W

TEST NO.

7

DATE

11/30/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11/30/88 TICKET : 14661
CUSTOMER : JAY BOY OIL INC. LEASE : MCCALL
WELL : 1 TEST: 2 GEOLOGIST : BRYAN
ELEVATION : 2263 GL FORMATION : LANSING I&J
SECTION : 10 TOWNSHIP : 11S
RANGE : 23W COUNTY : TREGO STATE : KANSAS
GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 3659 TO : 3703 TOTAL DEPTH : 3703

DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3659 SIZE : 6.63
PACKER DEPTH : 3654 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 16
MUD TYPE : STARCH VISCOSITY : 40
WEIGHT : 9.7 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 27000
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 120 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3519 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 44 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW-SLOWLY
BLOW COMMENT #2 : BUILDING TO 1 INCH IN BUCKET.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK SURFACE BLOW.
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: MUD-SHOW OF OIL IN TOP OF TOOL

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.42 BFPD
Indicated Wtr Rate = 0.14 BWPD

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

SET PACKER(S) :	1:15 AM	TIME STARTED OFF BOTTOM :	3:45 AM
WELL TEMPERATURE :	116		
INITIAL HYDROSTATIC PRESSURE		(A)	1943
INITIAL FLOW PERIOD MIN:	30	(B)	50 PSI TO (C) : 50
INITIAL CLOSED IN PERIOD MIN:	27	(D)	636
FINAL FLOW PERIOD MIN:	45	(E)	53 PSI TO (F) : 53
FINAL CLOSED IN PERIOD MIN:	45	(G)	644
FINAL HYDROSTATIC PRESSURE		(H)	1894

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL INC.
RIG : TREGO-KANSAS
FIELD : MCCALL
WELL : 1
DATE : 11/30/88
GAUGE NO : 11018

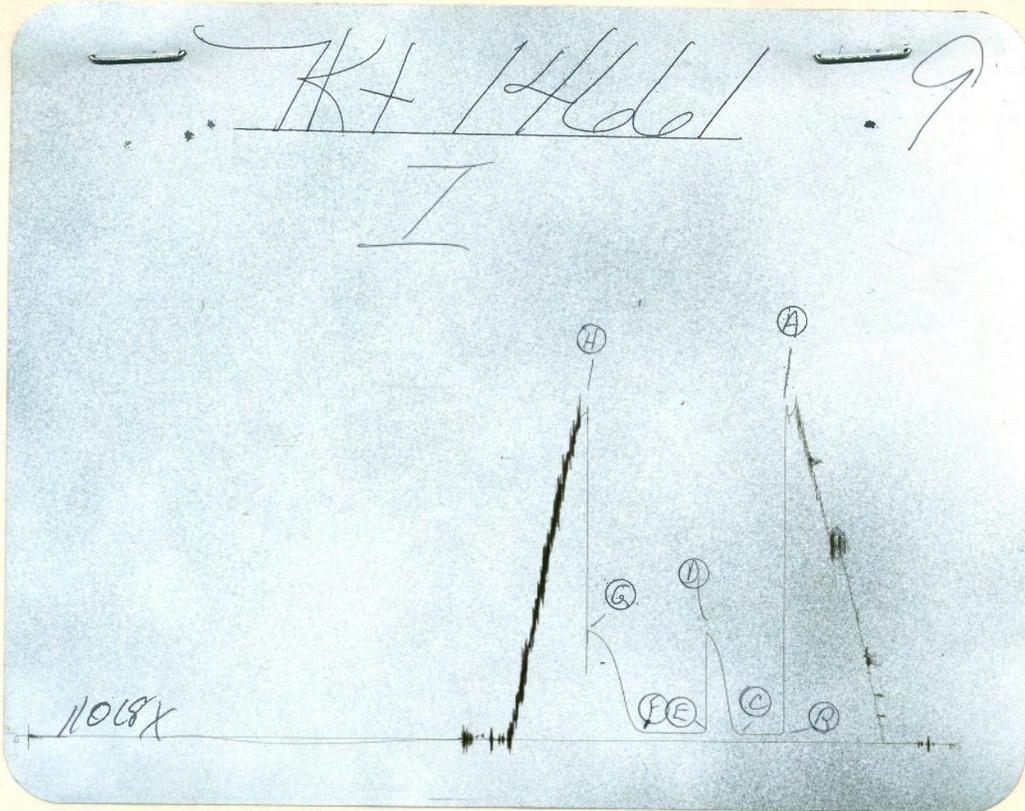
OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL INC.
 WELL : 1
 GAUGE # : 11018
 DATE : 30/11/88

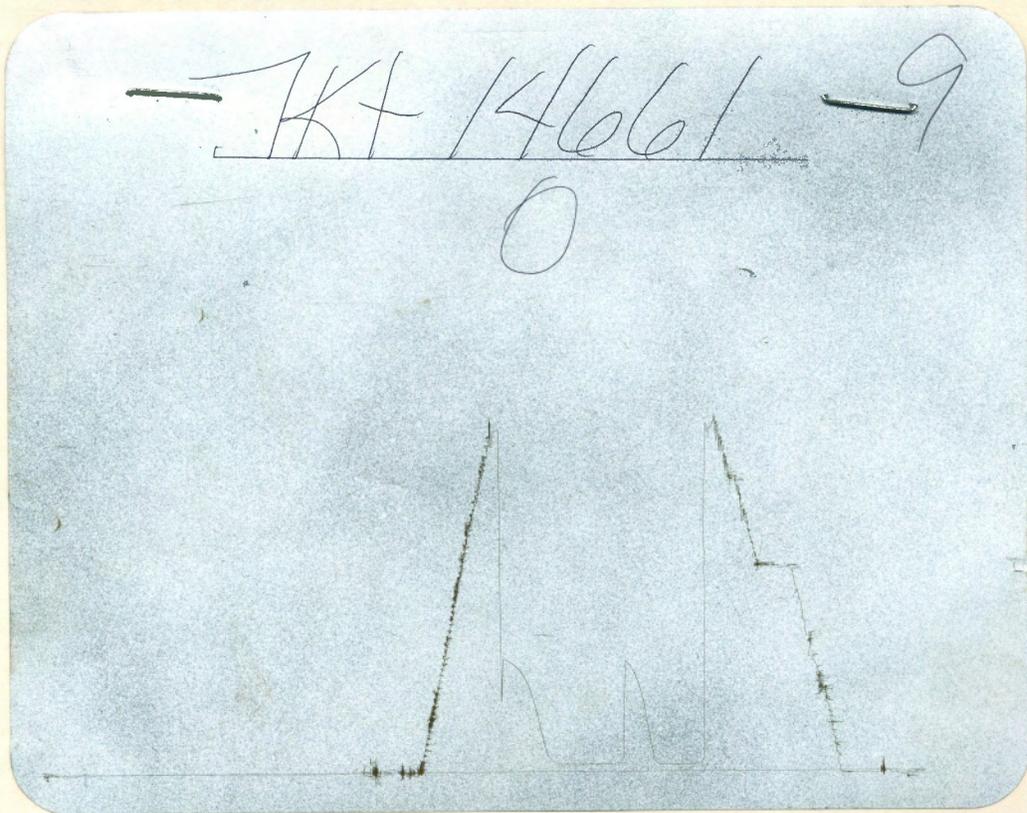
FIELD : MCCALL
 JOB # : 14661
 DEPTH : 3703
 TEST :

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	1:15:0	0.000	50.000	116.00	0.000
3	1:19:59	0.083	50.000	116.00	0.000
4	1:25:0	0.167	50.000	116.00	0.000
5	1:30:0	0.250	50.000	116.00	0.000
6	1:34:59	0.333	50.000	116.00	0.000
7	1:40:0	0.417	50.000	116.00	0.000
8	1:45:0	0.500	50.000	116.00	0.000
INITIAL SHUT-IN PERIOD					
9	1:48:0	0.550	51.000	116.00	1.000
10	1:51:0	0.600	67.000	116.00	16.000
11	1:54:0	0.650	144.000	116.00	77.000
12	1:57:0	0.700	277.000	116.00	133.000
13	2:0:0	0.750	407.000	116.00	130.000
14	2:3:0	0.800	502.000	116.00	95.000
15	2:6:0	0.850	558.000	116.00	56.000
16	2:9:0	0.900	600.000	116.00	42.000
17	2:12:0	0.950	636.000	116.00	36.000
FINAL FLOW PERIOD					
18	2:13:0	0.967	53.000	116.00	-583.000
19	2:16:59	1.033	53.000	116.00	0.000
20	2:22:0	1.117	53.000	116.00	0.000
21	2:27:0	1.200	53.000	116.00	0.000
22	2:31:59	1.283	53.000	116.00	0.000
23	2:37:0	1.367	53.000	116.00	0.000
24	2:42:0	1.450	53.000	116.00	0.000
25	2:46:59	1.533	53.000	116.00	0.000
26	2:52:0	1.617	53.000	116.00	0.000
27	2:57:0	1.700	53.000	116.00	0.000
FINAL SHUT-IN PERIOD					
28	3:0:0	1.750	60.000	116.00	7.000
29	3:3:0	1.800	76.000	116.00	16.000
30	3:6:0	1.850	108.000	116.00	32.000
31	3:9:0	1.900	167.000	116.00	59.000
32	3:12:0	1.950	261.000	116.00	94.000
33	3:15:0	2.000	356.000	116.00	95.000
34	3:18:0	2.050	435.000	116.00	79.000
35	3:21:0	2.100	497.000	116.00	62.000
36	3:24:0	2.150	539.000	116.00	42.000
37	3:27:0	2.200	573.000	116.00	34.000
38	3:30:0	2.250	600.000	116.00	27.000
39	3:33:0	2.300	617.000	116.00	17.000
40	3:36:0	2.350	630.000	116.00	13.000
41	3:39:0	2.400	641.000	116.00	11.000
42	3:42:0	2.450	644.000	116.00	3.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder

FORMATION TEST REPORT



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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-01-88 TICKET : 14662
CUSTOMER : JAY BOY OIL CO. INC. LEASE : McCALL
WELL : #1 TEST: 3 GEOLOGIST : M BRYAN
ELEVATION : 2263 GL FORMATION : MARMATON
SECTION : 10 TOWNSHIP : 11S
RANGE : 23W COUNTY : TREGO STATE : KANSAS
GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 3846 TO : 3876 TOTAL DEPTH : 3876
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3841 SIZE : 6.63
PACKER DEPTH : 3846 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 16
MUD TYPE : STARCH VISCOSITY : 44
WEIGHT : 9.6 WATER LOSS (CC) : 11.6
CHLORIDES (PPM) : 29000
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 120 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3706 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 30 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-WEAK BLOW-1" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK SURFACE BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD / GOOD SHOW OF OIL IN TOP OF TOOLS

Total Barrels Fluid = 0.05
Total Fluid Prod Rate = 1.09 BFPD
Indicated Wtr Rate = 0.01 BWPD

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

SET PACKER(S) :	10:05 PM	TIME STARTED OFF BOTTOM :	12:20 AM
WELL TEMPERATURE :	117		
INITIAL HYDROSTATIC PRESSURE		(A)	2013
INITIAL FLOW PERIOD MIN:	35	(B)	48 PSI TO (C) : 48
INITIAL CLOSED IN PERIOD MIN:	30	(D)	876
FINAL FLOW PERIOD MIN:	30	(E)	51 PSI TO (F) : 51
FINAL CLOSED IN PERIOD MIN:	45	(G)	859
FINAL HYDROSTATIC PRESSURE		(H)	1995

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : TREGO-KANSAS
FIELD : McCALL
WELL : #1
DATE : 12-01-88
GAUGE NO : 11018

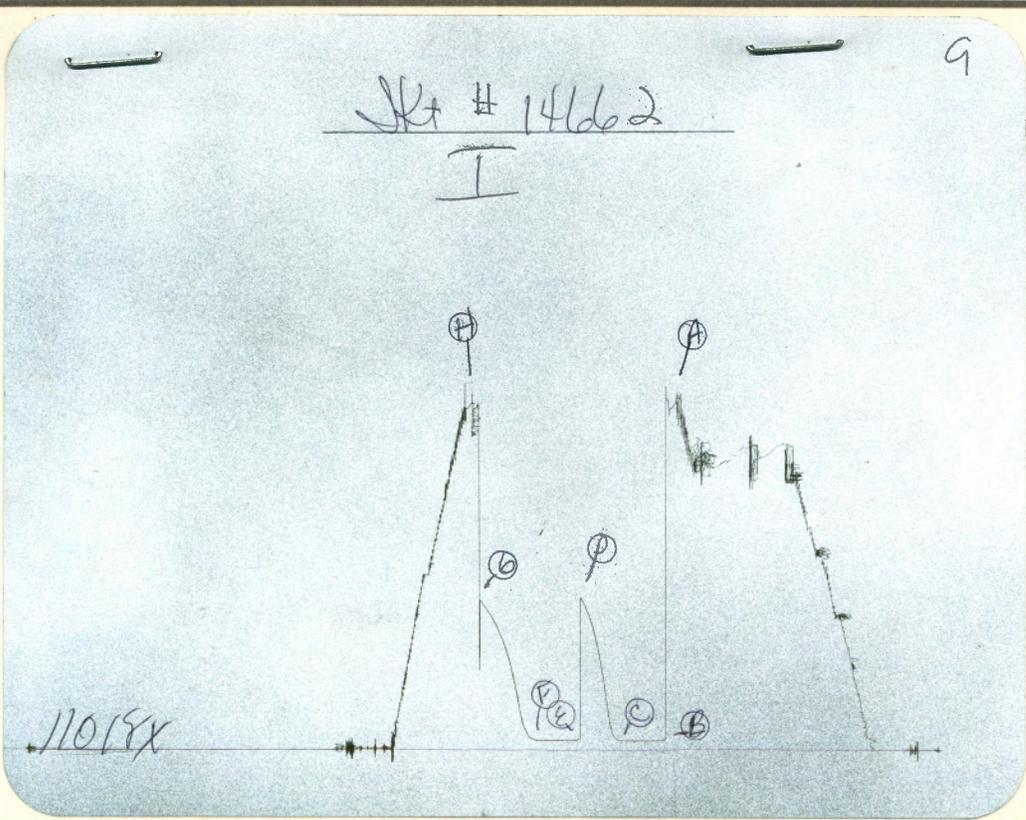
OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
 WELL : #1
 GAUGE # : 11018
 DATE : 1/12/88

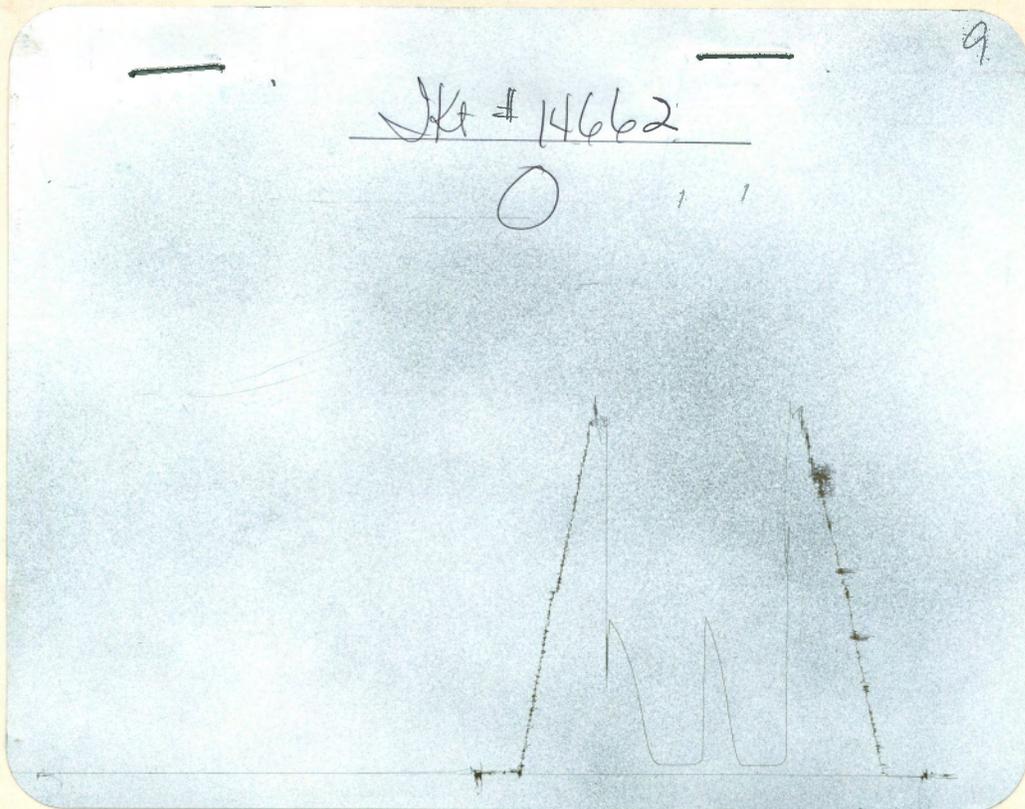
FIELD : McCALL
 JOB # : 14662
 DEPTH : 3876
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	10: 5: 0	0.000	48.000	117.00	0.000
3	10: 9:59	0.083	48.000	117.00	0.000
4	10:15: 0	0.167	48.000	117.00	0.000
5	10:20: 0	0.250	48.000	117.00	0.000
6	10:24:59	0.333	48.000	117.00	0.000
7	10:30: 0	0.417	48.000	117.00	0.000
8	10:35: 0	0.500	48.000	117.00	0.000
9	10:39:59	0.583	48.000	117.00	0.000
INITIAL SHUT-IN					
10	10:42:59	0.633	58.000	117.00	10.000
11	10:45:59	0.683	95.000	117.00	37.000
12	10:48:59	0.733	213.000	117.00	118.000
13	10:51:59	0.783	348.000	117.00	135.000
14	10:54:59	0.833	480.000	117.00	132.000
15	10:57:59	0.883	584.000	117.00	104.000
16	11: 0:59	0.933	690.000	117.00	106.000
17	11: 3:59	0.983	771.000	117.00	81.000
18	11: 6:59	1.033	834.000	117.00	63.000
19	11: 9:59	1.083	876.000	117.00	42.000
FINAL FLOW					
20	11:11: 0	1.100	51.000	117.00	-825.000
21	11:14:59	1.167	51.000	117.00	0.000
22	11:20: 0	1.250	51.000	117.00	0.000
23	11:24:59	1.333	51.000	117.00	0.000
24	11:29:59	1.417	51.000	117.00	0.000
25	11:35: 0	1.500	51.000	117.00	0.000
26	11:39:59	1.583	51.000	117.00	0.000
FINAL SHUT-IN					
27	11:42:59	1.633	53.000	117.00	2.000
28	11:45:59	1.683	60.000	117.00	7.000
29	11:48:59	1.733	84.000	117.00	24.000
30	11:51:59	1.783	137.000	117.00	53.000
31	11:54:59	1.833	248.000	117.00	111.000
32	11:57:59	1.883	366.000	117.00	118.000
33	12: 0:59	1.933	464.000	117.00	98.000
34	12: 3:59	1.983	546.000	117.00	82.000
35	12: 6:59	2.033	615.000	117.00	69.000
36	12: 9:59	2.083	673.000	117.00	58.000
37	12:12:59	2.133	721.000	117.00	48.000
38	12:15:59	2.183	767.000	117.00	46.000
39	12:18:59	2.233	803.000	117.00	36.000
40	12:21:59	2.283	831.000	117.00	28.000
41	12:24:59	2.333	859.000	117.00	28.000

WESTERN TESTING CO. INC.



Inside Recorder



Outside Recorder

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Phone (316) 262-5861

COMPANY JAY BOY OIL CO. INC. LEASE & WELL NO. McCALL #1 SEC. 10 TWP. 11S RGE. 23W TEST NO. 4 DATE 12/02/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-02-88 TICKET : 14663
CUSTOMER : JAY BOY OIL CO. INC. LEASE : McCALL
WELL : #1 TEST: 4 GEOLOGIST : M BRYAN
ELEVATION : 2263 GL FORMATION : ARBUCKLE
SECTION : 10 TOWNSHIP : 11S
RANGE : 23W COUNTY : TREGO STATE : KANSAS
GAUGE SN# : 11018 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 3942 TO : 3956 TOTAL DEPTH : 3965
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3937 SIZE : 6.63
PACKER DEPTH : 3942 SIZE : 6.63
PACKER DEPTH : 3956 SIZE : 6.63
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 16
MUD TYPE : STARCH VISCOSITY : 43
WEIGHT : 9.7 WATER LOSS (CC) : 12.2
CHLORIDES (PPM) : 23000
JARS-MAKE : SERIAL NUMBER : -
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 120 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3811 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 14 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-WEAK SURFACE BLOW.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 15 FT OF: OIL CUT MUD
85% MUD-15% OIL

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 2.36 BFPD
Indicated Oil Rate = 0.35 BOPD
Indicated Wtr Rate = 0.02 BWPD

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

SET PACKER(S) : 2:35 PM TIME STARTED OFF BOTTOM : 4:35 PM
WELL TEMPERATURE : 118
INITIAL HYDROSTATIC PRESSURE (A) 2080
INITIAL FLOW PERIOD MIN: 30 (B) 27 PSI TO (C) : 27
INITIAL CLOSED IN PERIOD MIN: 30 (D) 297
FINAL FLOW PERIOD MIN: 15 (E) 37 PSI TO (F) : 37
FINAL CLOSED IN PERIOD MIN: 45 (G) 240
FINAL HYDROSTATIC PRESSURE (H) 2004

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : TREGO-KANSAS
FIELD : McCALL
WELL : #1
DATE : 12-02-88
GAUGE NO : 11018

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 11018
DATE : 2/12/88

FIELD : McCALL
JOB # : 14663
DEPTH : 3965
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					
2	2:35:0	0.000	27.000	118.00	0.000
3	2:39:59	0.083	27.000	118.00	0.000
4	2:45:0	0.167	27.000	118.00	0.000
5	2:50:0	0.250	27.000	118.00	0.000
6	2:54:59	0.333	27.000	118.00	0.000
7	3:0:0	0.417	27.000	118.00	0.000
8	3:5:0	0.500	27.000	118.00	0.000
INITIAL SHUT-IN					
9	3:8:0	0.550	27.000	118.00	0.000
10	3:11:0	0.600	28.000	118.00	1.000
11	3:14:0	0.650	30.000	118.00	2.000
12	3:17:0	0.700	32.000	118.00	2.000
13	3:20:0	0.750	42.000	118.00	10.000
14	3:23:0	0.800	56.000	118.00	14.000
15	3:26:0	0.850	75.000	118.00	19.000
16	3:29:0	0.900	106.000	118.00	31.000
17	3:32:0	0.950	151.000	118.00	45.000
18	3:35:0	1.000	297.000	118.00	146.000
FINAL FLOW					
19	3:36:0	1.017	37.000	118.00	-260.000
20	3:39:59	1.083	37.000	118.00	0.000
21	3:45:0	1.167	37.000	118.00	0.000
22	3:50:0	1.250	37.000	118.00	0.000
FINAL SHUT-IN					
23	3:53:0	1.300	37.000	118.00	0.000
24	3:56:0	1.350	37.000	118.00	0.000
25	3:59:0	1.400	40.000	118.00	3.000
26	4:2:0	1.450	45.000	118.00	5.000
27	4:5:0	1.500	51.000	118.00	6.000
28	4:8:0	1.550	56.000	118.00	5.000
29	4:11:0	1.600	64.000	118.00	8.000
30	4:14:0	1.650	73.000	118.00	9.000
31	4:17:0	1.700	87.000	118.00	14.000
32	4:20:0	1.750	106.000	118.00	19.000
33	4:23:0	1.800	128.000	118.00	22.000
34	4:26:0	1.850	153.000	118.00	25.000
35	4:29:0	1.900	182.000	118.00	29.000
36	4:32:0	1.950	211.000	118.00	29.000
37	4:35:0	2.000	240.000	118.00	29.000

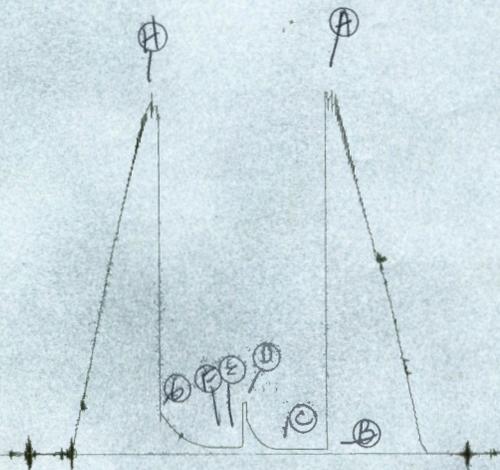
WESTERN TESTING CO. INC.

TKT # 14663

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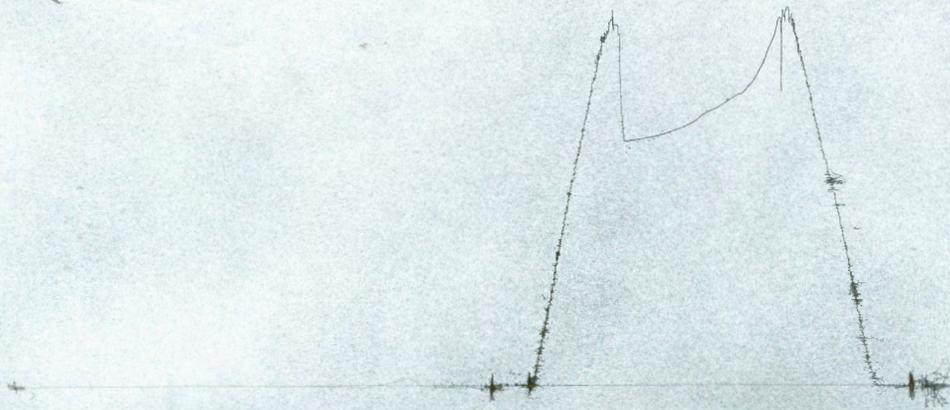
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11018x



JRT # 14663
Below Straddle

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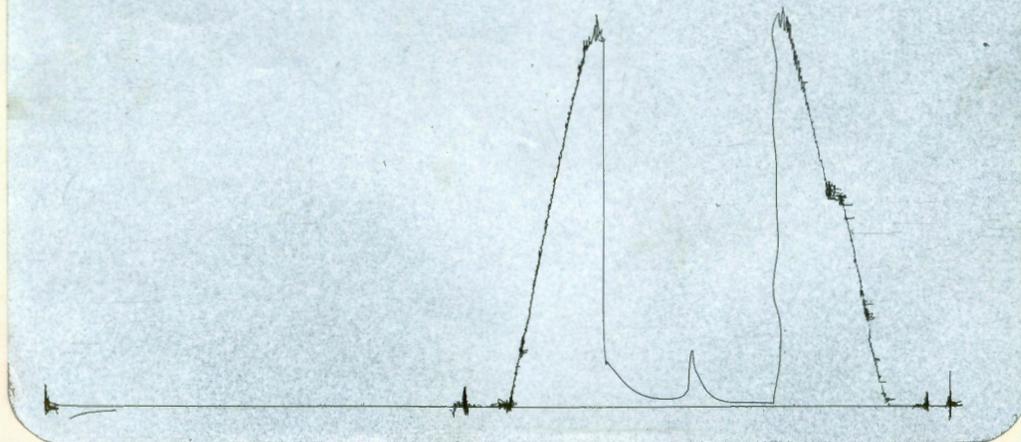


Inside Recorder

JRT # 14663

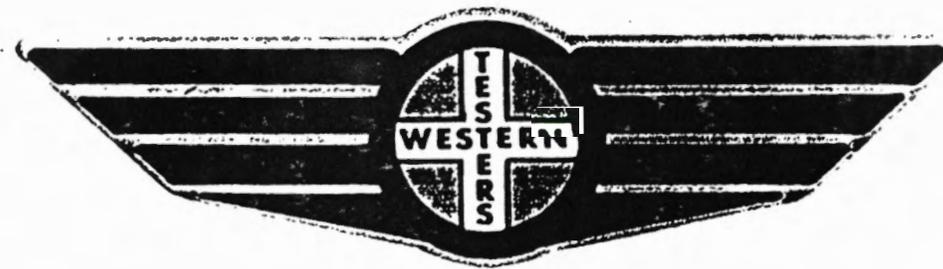
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Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL CO. INC. LEASE & WELL NO. MCCALL #1 SEC. 10 TWP. 11S RGE. 23W TEST NO. 5 DATE 12/07/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-2-88
CUSTOMER : JAY BOY OIL CO. INC.
WELL : #1 TEST: 5
ELEVATION : 2263 GL
SECTION : 10
RANGE : 23W COUNTY : TREGO
GAUGE SN# : 11018 RANGE : 4425
TICKET : 14664
LEASE : McCALL
GEOLOGIST : M BRYAN
FORMATION : ARBUCKLE
TOWNSHIP : 11S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3955 TO : 3965 TOTAL DEPTH : 3965
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3950 SIZE : 6.63
PACKER DEPTH : 3955 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : MURFIN RIG 16
MUD TYPE : STARCH VISCOSITY : 43
WEIGHT : 9.7 WATER LOSS (CC) : 12.2
CHLORIDES (PPM) : 23000
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 120 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3815 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 10 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-WEAK BLOW-SLOW BUILD TO 4" IN BUCKET.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-SLOW BUILD TO 2" IN BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 205 FT OF: MUDDY WATER / WITH SCUM OF OIL
LESS THAN 1% OIL

CHLORIDES: 26000 PPM

Total Barrels Fluid = 1.78
Total Fluid Prod Rate = 32.08 BFPD
Indicated Oil Rate = 0.25 BOPD
Indicated Wtr Rate = 13.30 BWPD

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

SET PACKER(S) : 8:00 PM

TIME STARTED OFF BOTTOM : 10:30 PM

WELL TEMPERATURE : 119

INITIAL HYDROSTATIC PRESSURE

(A) 2080

INITIAL FLOW PERIOD MIN: 35

(B) 36 PSI TO (C) : 68

INITIAL CLOSED IN PERIOD MIN: 33

(D) 1210

FINAL FLOW PERIOD MIN: 45

(E) 92 PSI TO (F) : 100

FINAL CLOSED IN PERIOD MIN: 48

(G) 1218

FINAL HYDROSTATIC PRESSURE

(H) 2020

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : TREGO-KANSAS
FIELD : McCALL
WELL : #1
DATE : 12-2-88
GAUGE NO : 11018

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
 WELL : #1
 GAUGE # : 11018
 DATE : 2/12/88

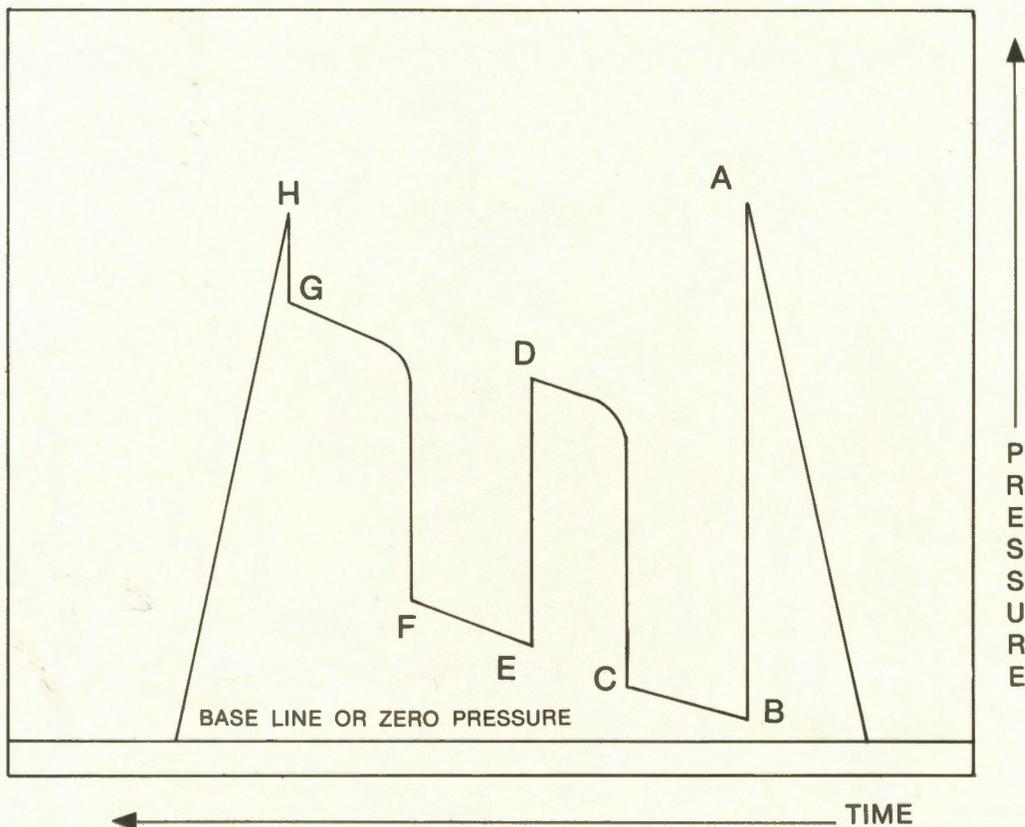
FIELD : McCALL
 JOB # : 14664
 DEPTH : 3965
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW					
2	8: 0: 0	0.000	36.000	119.00	0.000
3	8: 4: 59	0.083	36.000	119.00	0.000
4	8:10: 0	0.167	37.000	119.00	1.000
5	8:15: 0	0.250	41.000	119.00	4.000
6	8:19:59	0.333	51.000	119.00	10.000
7	8:25: 0	0.417	60.000	119.00	9.000
8	8:30: 0	0.500	67.000	119.00	7.000
9	8:34:59	0.583	68.000	119.00	1.000
INITIAL SHUT-IN					
10	8:37:59	0.633	973.000	119.00	905.000
11	8:40:59	0.683	1096.000	119.00	123.000
12	8:43:59	0.733	1136.000	119.00	40.000
13	8:46:59	0.783	1160.000	119.00	24.000
14	8:49:59	0.833	1177.000	119.00	17.000
15	8:52:59	0.883	1188.000	119.00	11.000
16	8:55:59	0.933	1196.000	119.00	8.000
17	8:58:59	0.983	1202.000	119.00	6.000
18	9: 1: 59	1.033	1207.000	119.00	5.000
19	9: 4: 59	1.083	1209.000	119.00	2.000
20	9: 7: 59	1.133	1210.000	119.00	1.000
FINAL FLOW					
21	9: 9: 0	1.150	92.000	119.00	-1118.000
22	9:12:59	1.217	92.000	119.00	0.000
23	9:18: 0	1.300	92.000	119.00	0.000
24	9:22:59	1.383	92.000	119.00	0.000
25	9:27:59	1.467	92.000	119.00	0.000
26	9:33: 0	1.550	92.000	119.00	0.000
27	9:37:59	1.633	93.000	119.00	1.000
28	9:42:59	1.717	97.000	119.00	4.000
29	9:48: 0	1.800	97.000	119.00	0.000
30	9:52:59	1.883	100.000	119.00	3.000
FINAL SHUT-IN					
31	9:55:59	1.933	1024.000	119.00	924.000
32	9:58:59	1.983	1110.000	119.00	86.000
33	10: 1: 59	2.033	1140.000	119.00	30.000
34	10: 4: 59	2.083	1163.000	119.00	23.000
35	10: 7: 59	2.133	1178.000	119.00	15.000
36	10:10:59	2.183	1189.000	119.00	11.000
37	10:13:59	2.233	1196.000	119.00	7.000
38	10:16:59	2.283	1201.000	119.00	5.000
39	10:19:59	2.333	1206.000	119.00	5.000
40	10:22:59	2.383	1209.000	119.00	3.000
41	10:25:59	2.433	1211.000	119.00	2.000
42	10:28:59	2.483	1213.000	119.00	2.000
43	10:31:59	2.533	1215.000	119.00	2.000
44	10:34:59	2.583	1216.000	119.00	1.000
45	10:37:59	2.633	1217.000	119.00	1.000
46	10:40:59	2.683	1218.000	119.00	1.000

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

AK-1 Recorders



- A - Initial Hydrostatic
- B - First Initial Flow
- C - First Final Flow
- D - Initial Shut-In

- E - Second Initial Flow
- F - Second Final Flow
- G - Final Shut-In
- H - Final Hydrostatic