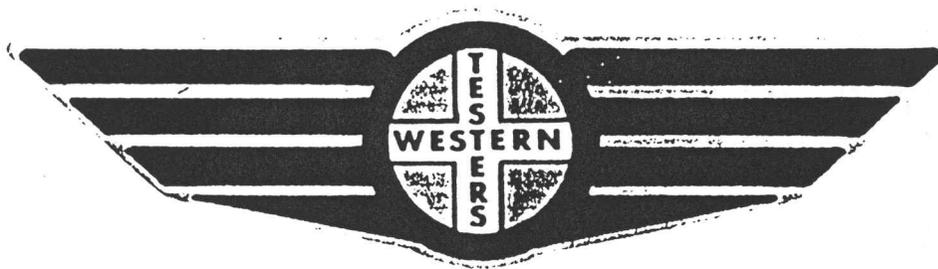


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BLACK PETROLEUM COMPANY LEASE & WELL NO. COLLINS #1 SEC. 5 TWP. 10S RGE. 16W TEST NO. 1 DATE 6/19/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-19-87 TICKET : 12133
CUSTOMER : BLACK PETROLEUM COMPANY LEASE : COLLINS
WELL : #1 TEST: 1 GEOLOGIST : H.M. DOUGLASS
ELEVATION : 2017 KB FORMATION : LANSING 'B'
SECTION : 5 TOWNSHIP : 10S
RANGE : 16W COUNTY : ROOKS STATE : KANSAS
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 3206 TO : 3230 TOTAL DEPTH : 3230
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3201 SIZE : 6.75
PACKER DEPTH : 3206 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EMPHASIS RIG #4
MUD TYPE : STARCH VISCOSITY : 43
WEIGHT : 9.4 WATER LOSS (CC) : 8.4
CHLORIDES (PPM) : 46000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3186 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 24 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-STRONG BLOW-BOTTOM OF BUCKET IN 20 MINUTES
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-SOTTOM OF BUCKET IN 30 MINUTES
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 310 FT OF: MUDDY WATER

CHLORIDES: 66000 PPM

Total Barrels Fluid = 4.35
Total Fluid Prod Rate = 83.48 BFPD
Indicated Wtr Rate = 40.40 BWPD

REMARK 1 :

REMARK 2 : TOOL SLID 5 FEET DURING INITIAL FLOW PERIOD.

REMARK 3 : ELEVATORS TOO CLOSE TO TABLE-PULLED TOOL LOOSE AT END
OF INITIAL FLOW-PICKED UP JOINT OF PIPE.

REMARK 4 :

SET PACKER(S) : 1:00 AM

TIME STARTED OFF BOTTOM : 3:50 AM

WELL TEMPERATURE : 108

INITIAL HYDROSTATIC PRESSURE

(A) 1759

INITIAL FLOW PERIOD MIN: 30

(B) 59 PSI TO (C) : 74

INITIAL CLOSED IN PERIOD MIN: 33

(D) 1000

FINAL FLOW PERIOD MIN: 45

(E) 133 PSI TO (F) : 169

FINAL CLOSED IN PERIOD MIN: 60

(G) 1013

FINAL HYDROSTATIC PRESSURE

(H) 1759

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : ROOKS-KANSAS
FIELD : COLLINS
WELL : #1
DATE : 6-19-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

TOOL SLID 5 FEET DURING INITIAL FLOW PERIOD.
ELEVATORS TOO CLOSE TO TABLE-PULLED TOOL LOOSE AT END
OF INITIAL FLOW-PICKED UP JOINT OF PIPE.

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE #.: 1566
DATE : 19/ 6/87

FIELD : COLLINS
JOB #. : 12133
DEPTH : 3230
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	1: 0: 0	0.000	59.000	108.00	0.000
2	1: 4: 59	0.083	59.000	108.00	0.000
3	1: 10: 0	0.167	59.000	108.00	0.000
4	1: 15: 0	0.250	59.000	108.00	0.000
5	1: 19: 59	0.333	61.000	108.00	2.000
6	1: 25: 0	0.417	69.000	108.00	8.000
7	1: 30: 0	0.500	74.000	108.00	5.000
8	1: 33: 0	0.550	797.000	108.00	723.000
9	1: 36: 0	0.600	847.000	108.00	50.000
10	1: 39: 0	0.650	883.000	108.00	36.000
11	1: 42: 0	0.700	913.000	108.00	30.000
12	1: 45: 0	0.750	933.000	108.00	20.000
13	1: 48: 0	0.800	950.000	108.00	17.000
14	1: 51: 0	0.850	965.000	108.00	15.000
15	1: 54: 0	0.900	976.000	108.00	11.000
16	1: 57: 0	0.950	987.000	108.00	11.000
17	2: 0: 0	1.000	995.000	108.00	8.000
18	2: 2: 59	1.050	1000.000	108.00	5.000
19	2: 4: 0	1.067	133.000	108.00	-867.000
20	2: 7: 59	1.133	133.000	108.00	0.000
21	2: 13: 0	1.217	133.000	108.00	0.000
22	2: 18: 0	1.300	134.000	108.00	1.000
23	2: 22: 59	1.383	138.000	108.00	4.000
24	2: 28: 0	1.467	144.000	108.00	6.000
25	2: 33: 0	1.550	152.000	108.00	8.000
26	2: 37: 59	1.633	159.000	108.00	7.000
27	2: 43: 0	1.717	164.000	108.00	5.000
28	2: 48: 0	1.800	169.000	108.00	5.000
29	2: 50: 59	1.850	724.000	108.00	555.000
30	2: 54: 0	1.900	782.000	108.00	58.000
31	2: 56: 59	1.950	823.000	108.00	41.000
32	3: 0: 0	2.000	853.000	108.00	30.000
33	3: 3: 0	2.050	877.000	108.00	24.000
34	3: 5: 59	2.100	896.000	108.00	19.000
35	3: 8: 59	2.150	911.000	108.00	15.000
36	3: 12: 0	2.200	926.000	108.00	15.000
37	3: 15: 0	2.250	938.000	108.00	12.000
38	3: 18: 0	2.300	950.000	108.00	12.000
39	3: 21: 0	2.350	960.000	108.00	10.000
40	3: 24: 0	2.400	968.000	108.00	8.000
41	3: 26: 59	2.450	976.000	108.00	8.000
42	3: 30: 0	2.500	983.000	108.00	7.000
43	3: 33: 0	2.550	990.000	108.00	7.000
44	3: 36: 0	2.600	996.000	108.00	6.000
45	3: 39: 0	2.650	1002.000	108.00	6.000
46	3: 41: 59	2.700	1006.000	108.00	4.000
47	3: 45: 0	2.750	1010.000	108.00	4.000
48	3: 48: 0	2.800	1013.000	108.00	3.000

WESTERN TESTING CO. INC.

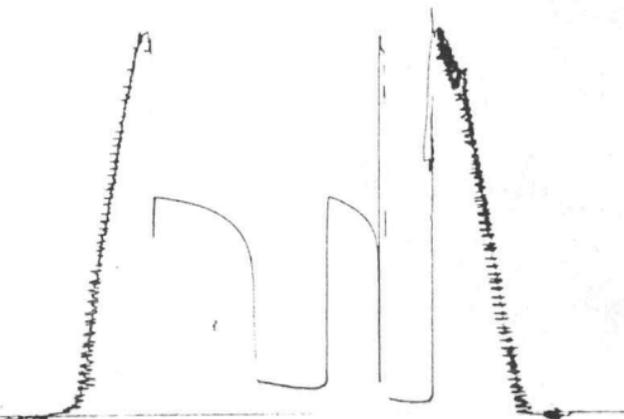
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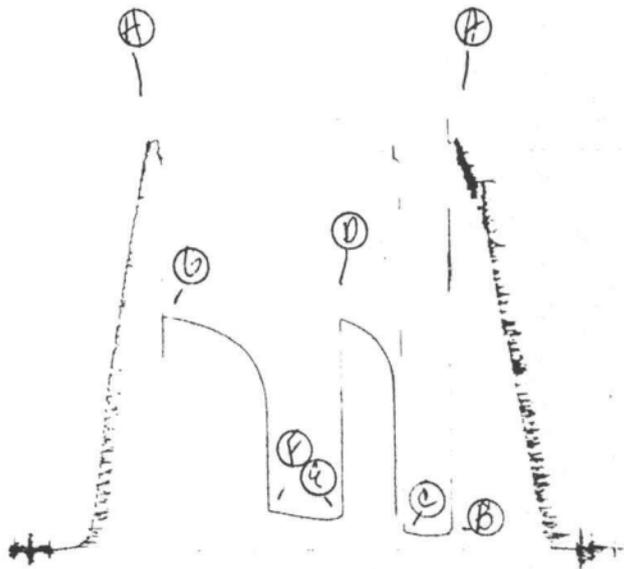


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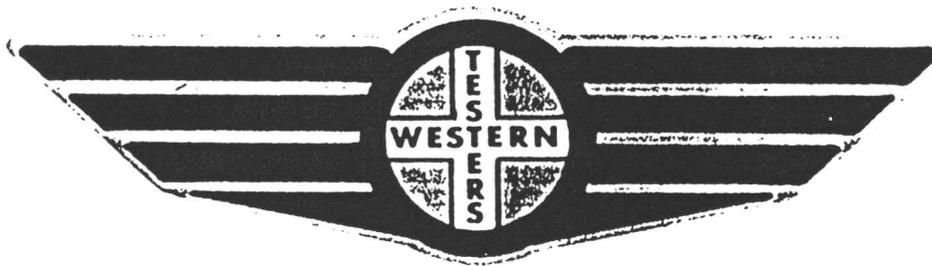
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

BLACK PETROLEUM COMPANY

LEASE & WELL NO.

COLLINS #1

SEC. 5

TWP. 10S

RGE. 16W

TEST NO. 2

DATE

6/20/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-20-87
CUSTOMER : BLACK PETROLEUM COMPANY
WELL : #1 TEST: 2
ELEVATION : 2017 KB
SECTION : 5
RANGE : 16W COUNTY : ROOKS
GAUGE SN# : 1566 RANGE : 4300
TICKET : 12134
LEASE : COLLINS
GEOLOGIST : H.M. DOUGLASS
FORMATION : LASNING
TOWNSHIP : 10S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3232 TO : 3297 TOTAL DEPTH : 3297
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3227 SIZE : 6.75
PACKER DEPTH : 3232 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EMPHASIS RIG #7
MUD TYPE : STARCH VISCOSITY : 45
WEIGHT : 9.5 WATER LOSS (CC) : 11.6
CHLORIDES (PPM) : 50000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3212 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 65 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-STRONG-BOTTOM OF BUCKET 10 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-STRONG-BOTTOM OF BUCKET 15 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 50 FT OF: OIL CUT MUD
 55% MUD-25% OIL-20% GAS
 RECOVERED : 120 FT OF: HEAVY OIL CUT MUD
 15% MUD-40% OIL-40% GAS-5% WATER
 RECOVERED : 60 FT OF: OIL & WATER CUT MUD
 40% MUD-20% OIL-30% GAS-10% WATER
 RECOVERED : 60 FT OF: OIL & WATER CUT MUD
 35% MUD-25% OIL-10% GAS-30% WATER

CHLORIDES: 68000 PPP

Total Barrels Fluid = 4.07
 Total Fluid Prod Rate = 97.62 BFPD
 Indicated Oil Rate = 29.46 BOPD
 Indicated Wtr Rate = 10.10 BWPD
 Corrected Oil Rate = 68.27 BOPD
 Corrected Wtr Rate = 23.41 BWPD

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

SET PACKER(S) : 5:45 PM TIME STARTED OFF BOTTOM : 8:15 PM
 WELL TEMPERATURE : 109
 INITIAL HYDROSTATIC PRESSURE (A) 1780
 INITIAL FLOW PERIOD MIN: 30 (B) 84 PSI TO (C) : 104
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 851
 FINAL FLOW PERIOD MIN: 30 (E) 148 PSI TO (F) : 160
 FINAL CLOSED IN PERIOD MIN: 60 (G) 849
 FINAL HYDROSTATIC PRESSURE (H) 1763

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : ROOKS-KANSAS
FIELD : COLLINS
WELL : #1
DATE : 6-20-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 20/ 6/87

FIELD : COLLINS
JOB # : 12134
DEPTH : 3297
TEST :

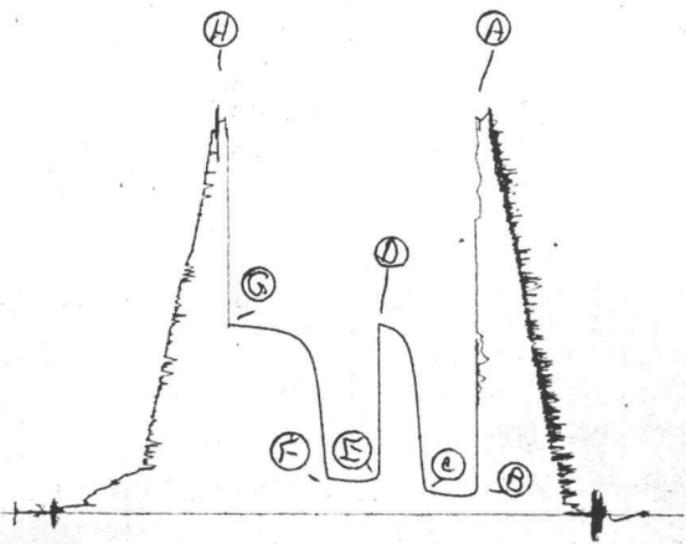
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
1	5:45: 0	0.000	84.000	109.00	0.000
2	5:49:59	0.083	84.000	109.00	0.000
3	5:55: 0	0.167	84.000	109.00	0.000
4	6: 0: 0	0.250	84.000	109.00	0.000
5	6: 4:59	0.333	90.000	109.00	6.000
6	6:10: 0	0.417	96.000	109.00	6.000
7	6:15: 0	0.500	104.000	109.00	8.000
8	6:18: 0	0.550	250.000	109.00	146.000
9	6:21: 0	0.600	530.000	109.00	280.000
10	6:24: 0	0.650	674.000	109.00	144.000
11	6:27: 0	0.700	759.000	109.00	85.000
12	6:30: 0	0.750	798.000	109.00	39.000
13	6:33: 0	0.800	819.000	109.00	21.000
14	6:36: 0	0.850	831.000	109.00	12.000
15	6:39: 0	0.900	841.000	109.00	10.000
16	6:42: 0	0.950	845.000	109.00	4.000
17	6:45: 0	1.000	851.000	109.00	6.000
18	6:46: 0	1.017	148.000	109.00	-703.000
19	6:49:59	1.083	148.000	109.00	0.000
20	6:55: 0	1.167	148.000	109.00	0.000
21	7: 0: 0	1.250	148.000	109.00	0.000
22	7: 4:59	1.333	151.000	109.00	3.000
23	7:10: 0	1.417	155.000	109.00	4.000
24	7:15: 0	1.500	160.000	109.00	5.000
25	7:18: 0	1.550	413.000	109.00	253.000
26	7:21: 0	1.600	591.000	109.00	178.000
27	7:24: 0	1.650	690.000	109.00	99.000
28	7:27: 0	1.700	739.000	109.00	49.000
29	7:30: 0	1.750	771.000	109.00	32.000
30	7:33: 0	1.800	788.000	109.00	17.000
31	7:36: 0	1.850	801.000	109.00	13.000
32	7:39: 0	1.900	810.000	109.00	9.000
33	7:42: 0	1.950	817.000	109.00	7.000
34	7:45: 0	2.000	823.000	109.00	6.000
35	7:48: 0	2.050	827.000	109.00	4.000
36	7:51: 0	2.100	830.000	109.00	3.000
37	7:54: 0	2.150	833.000	109.00	3.000
38	7:57: 0	2.200	836.000	109.00	3.000
39	8: 0: 0	2.250	838.000	109.00	2.000
40	8: 3: 0	2.300	841.000	109.00	3.000
41	8: 6: 0	2.350	843.000	109.00	2.000
42	8: 9: 0	2.400	845.000	109.00	2.000
43	8:12: 0	2.450	847.000	109.00	2.000
44	8:15: 0	2.500	849.000	109.00	2.000

WESTERN TESTING CO. INC.

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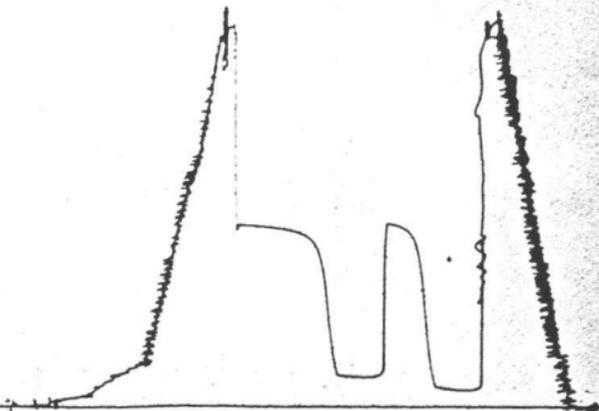


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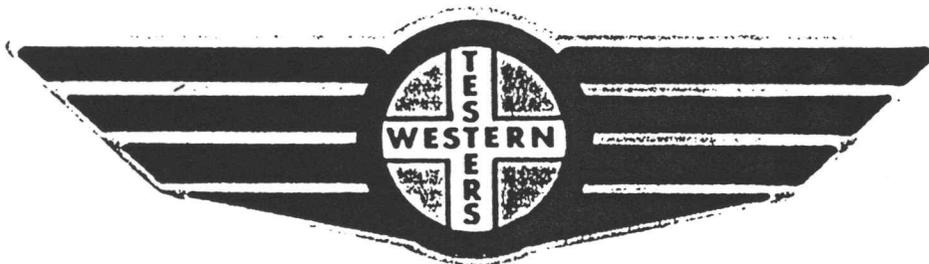
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BLACK PETROLEUM COMPANY LEASE & WELL NO. COLLINS #1 SEC. 5 TWP. 10S RGE. 16W TEST NO. 3 DATE 6/21/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-21-87 TICKET : 12135
CUSTOMER : BLACK PETROLEUM COMPANY LEASE : COLLINS
WELL : #1 TEST: 3 GEOLOGIST : H.M. DOUGLAS
ELEVATION : 2017 KB FORMATION : LANSING
SECTION : 5 TOWNSHIP : 10S
RANGE : 16W COUNTY : ROOKS STATE : KANSAS
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 3357 TO : 3400 TOTAL DEPTH : 3400
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3352 SIZE : 6.75
PACKER DEPTH : 3357 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EMPHASIS RIG #7
MUD TYPE : STARCH VISCOSITY : 42
WEIGHT : 9.6 WATER LOSS (CC) : 10.4
CHLORIDES (PPM) : 50000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3337 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 43 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 : WEAK BLOW DIED IN 5 MINUTES ON THE INITIAL FLOW.
BLOW COMMENT #2 : NO BLOW ON THE FINAL FLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: DRILLING MUD

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.37 BFPD
Indicated Wtr Rate = 0.34 BWPD

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

SET PACKER(S) : 3:10 PM

TIME STARTED OFF BOTTOM : 5:10 PM

WELL TEMPERATURE : 110

INITIAL HYDROSTATIC PRESSURE

(A) 1863

INITIAL FLOW PERIOD MIN: 30

(B) 57 PSI TO (C) : 57

INITIAL CLOSED IN PERIOD MIN: 30

(D) 969

FINAL FLOW PERIOD MIN: 30

(E) 60 PSI TO (F) : 60

FINAL CLOSED IN PERIOD MIN: 33

(G) 932

FINAL HYDROSTATIC PRESSURE

(H) 1855

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : ROOKS-KANSAS
FIELD : COLLINS
WELL : #1
DATE : 6-21-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 21/ 6/87

FIELD : COLLINS
JOB # : 12135
DEPTH : 3400
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	3:10:0	0.000	57.000	110.00	0.000
2	3:14:59	0.083	57.000	110.00	0.000
3	3:20:0	0.167	57.000	110.00	0.000
4	3:25:0	0.250	57.000	110.00	0.000
5	3:29:59	0.333	57.000	110.00	0.000
6	3:35:0	0.417	57.000	110.00	0.000
7	3:40:0	0.500	57.000	110.00	0.000
8	3:43:0	0.550	60.000	110.00	3.000
9	3:46:0	0.600	110.000	110.00	50.000
10	3:49:0	0.650	302.000	110.00	192.000
11	3:52:0	0.700	490.000	110.00	188.000
12	3:55:0	0.750	641.000	110.00	151.000
13	3:58:0	0.800	756.000	110.00	115.000
14	4:01:0	0.850	833.000	110.00	77.000
15	4:04:0	0.900	890.000	110.00	57.000
16	4:07:0	0.950	941.000	110.00	51.000
17	4:10:0	1.000	969.000	110.00	28.000
18	4:11:0	1.017	60.000	110.00	-909.000
19	4:14:59	1.083	60.000	110.00	0.000
20	4:20:0	1.167	60.000	110.00	0.000
21	4:25:0	1.250	60.000	110.00	0.000
22	4:29:59	1.333	60.000	110.00	0.000
23	4:35:0	1.417	60.000	110.00	0.000
24	4:40:0	1.500	60.000	110.00	0.000
25	4:43:0	1.550	65.000	110.00	5.000
26	4:46:0	1.600	153.000	110.00	88.000
27	4:49:0	1.650	337.000	110.00	184.000
28	4:52:0	1.700	501.000	110.00	164.000
29	4:55:0	1.750	618.000	110.00	117.000
30	4:58:0	1.800	710.000	110.00	92.000
31	5:01:0	1.850	777.000	110.00	67.000
32	5:04:0	1.900	834.000	110.00	57.000
33	5:07:0	1.950	875.000	110.00	41.000
34	5:10:0	2.000	912.000	110.00	37.000
35	5:13:0	2.050	932.000	110.00	20.000

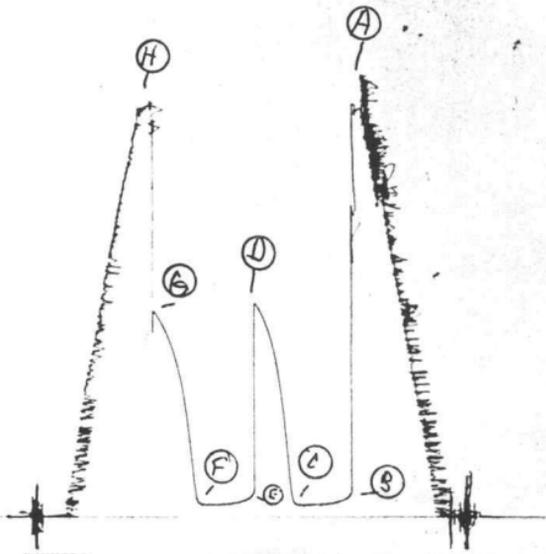
WESTERN TESTING CO. INC.

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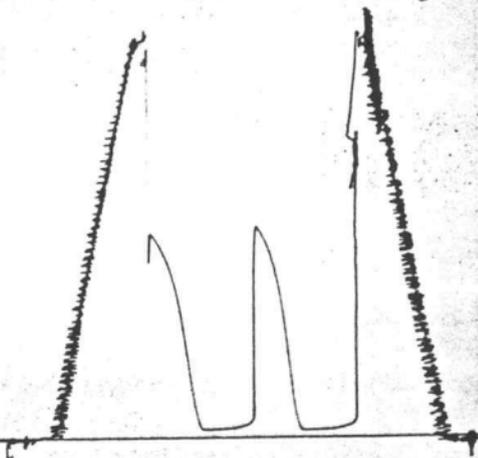


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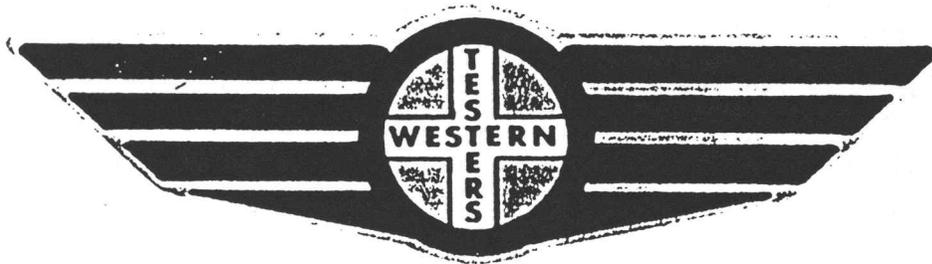
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-22-87 TICKET : 12136
CUSTOMER : BLACK PETROLEUM COMPANY LEASE : COLLINS
WELL : #1 TEST: 4 GEOLOGIST : H.M. DOUGLASS
ELEVATION : 2017 KB FORMATION : ARBUCKLE
SECTION : 5 TOWNSHIP : 10S
RANGE : 16W COUNTY : ROOKS STATE : KANSAS
GAUGE SN# : 1566 RANGE : 4300 CLOCK : 12

INTERVAL FROM : 3564 TO : 3569 TOTAL DEPTH : 3569
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3559 SIZE : 6.75
PACKER DEPTH : 3564 SIZE : 6.75
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EMPHASIS RIG #7
MUD TYPE : STARCH VISCOSITY : 59
WEIGHT : 9.8 WATER LOSS (CC) : 9.6
CHLORIDES (PPM) : 40000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3539 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-STRONG-BOTTOM OF BUCKET 1 MINUTE.
BLOW COMMENT #2 : FINAL FLOW-STRONG-BOTTOM OF BUCKET 3 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 1400 FT OF: MUDDY WATER

CHLORIDES: 16000 PPM

Total Barrels Fluid = 19.64
Total Fluid Prod Rate = 471.29 BFPD
Indicated Wtr Rate = 235.64 BWPD

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

SET PACKER(S) :	7:35 PM	TIME STARTED OFF BOTTOM :	9:35 PM
WELL TEMPERATURE :	111		
INITIAL HYDROSTATIC PRESSURE		(A)	1950
INITIAL FLOW PERIOD MIN:	30	(B)	175 PSI TO (C) : 409
INITIAL CLOSED IN PERIOD MIN:	30	(D)	962
FINAL FLOW PERIOD MIN:	30	(E)	542 PSI TO (F) : 645
FINAL CLOSED IN PERIOD MIN:	27	(G)	965
FINAL HYDROSTATIC PRESSURE		(H)	1950

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BLACK PETROLEUM COMPANY
RIG : ROOKS-KANSAS
FIELD : COLLINS
WELL : #1
DATE : 6-22-87
GAUGE NO : 1566

OPERATIONAL COMMENTS

COMPANY : BLACK PETROLEUM COMPANY
WELL : #1
GAUGE # : 1566
DATE : 22/ 6/87

FIELD : COLLINS
JOB # : 12136
DEPTH : 3569
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P _i -P _(i-1)
1	7:35: 0	0.000	175.000	111.00	0.000
2	7:39:59	0.083	175.000	111.00	0.000
3	7:45: 0	0.167	214.000	111.00	39.000
4	7:50: 0	0.250	283.000	111.00	69.000
5	7:54:59	0.333	335.000	111.00	52.000
6	8: 0: 0	0.417	382.000	111.00	47.000
7	8: 5: 0	0.500	409.000	111.00	27.000
8	8: 8: 0	0.550	713.000	111.00	304.000
9	8:11: 0	0.600	770.000	111.00	57.000
10	8:14: 0	0.650	810.000	111.00	40.000
11	8:17: 0	0.700	842.000	111.00	32.000
12	8:20: 0	0.750	871.000	111.00	29.000
13	8:23: 0	0.800	895.000	111.00	24.000
14	8:26: 0	0.850	914.000	111.00	19.000
15	8:29: 0	0.900	931.000	111.00	17.000
16	8:32: 0	0.950	946.000	111.00	15.000
17	8:35: 0	1.000	962.000	111.00	16.000
18	8:36: 0	1.017	542.000	111.00	-420.000
19	8:39:59	1.083	542.000	111.00	0.000
20	8:45: 0	1.167	553.000	111.00	11.000
21	8:50: 0	1.250	575.000	111.00	22.000
22	8:54:59	1.333	604.000	111.00	29.000
23	9: 0: 0	1.417	627.000	111.00	23.000
24	9: 5: 0	1.500	645.000	111.00	18.000
25	9: 8: 0	1.550	803.000	111.00	158.000
26	9:11: 0	1.600	841.000	111.00	38.000
27	9:14: 0	1.650	881.000	111.00	40.000
28	9:17: 0	1.700	894.000	111.00	13.000
29	9:20: 0	1.750	914.000	111.00	20.000
30	9:23: 0	1.800	929.000	111.00	15.000
31	9:26: 0	1.850	942.000	111.00	13.000
32	9:29: 0	1.900	954.000	111.00	12.000
33	9:32: 0	1.950	965.000	111.00	11.000

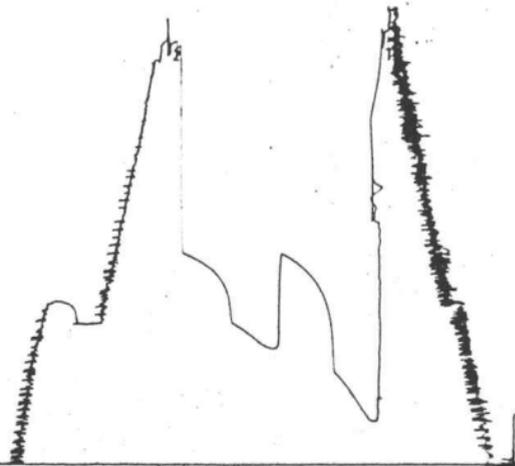
WESTERN TESTING CO. INC.

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Black
PST 4

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