

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAYMOND OIL COMPANY

LEASE & WELL NO. #1 DINGES

SEC. 27 TWP. 18S RGE. 25W

TEST NO. 1

DATE 11/23/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-23-85
CUSTOMER: RAYMOND OIL COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 2435 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4394 FT TO: 4453 FT TOTAL DEPTH: 4453 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4389 FT SIZE: 6 3/4 IN PACKER DEPTH: 4394 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE DRLG. RIG #2
MUD TYPE: STARCH VISCOSITY: 41
WEIGHT: 9.7 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 37000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 420 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 3954 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 59 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW;
DEAD IN 11 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 10	FT	OF: DRILLING MUD WITH FEW OIL SPOTS.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

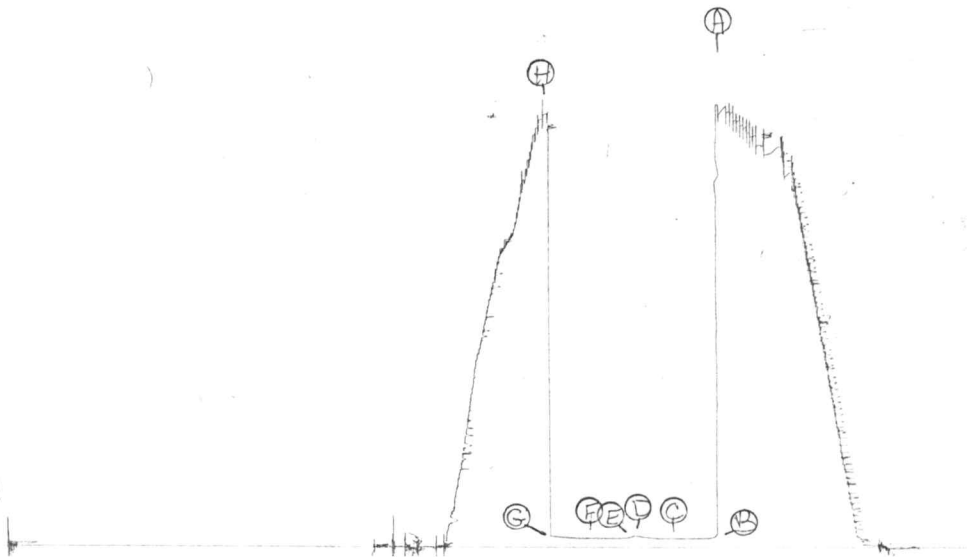
REMARKS:

TIME SET PACKER(S): 7:50 AM	TIME STARTED OFF BOTTOM: 9:50 AM
WELL TEMPERATURE: 120 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2446 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 47 PSI TO (C) 47 PSI
INITIAL CLOSED IN PERIOD MIN: 30	(D) 63 PSI
FINAL FLOW PERIOD MIN: 30	(E) 48 PSI TO (F) 48 PSI
FINAL CLOSED IN PERIOD MIN: 30	(G) 59 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2395 PSI

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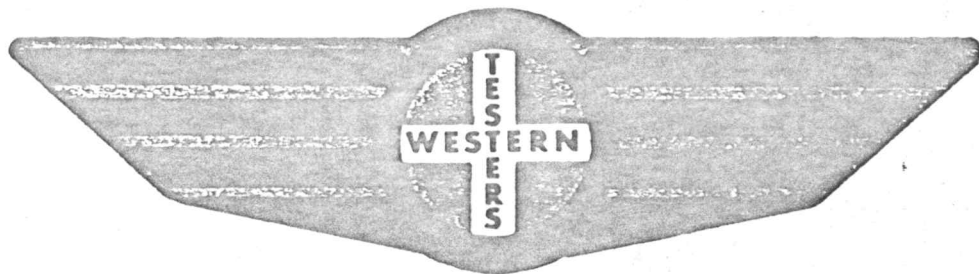
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FORMATION TEST REPORT



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COMPANY RAYMOND OIL COMPANY LEASE & WELL NO. #1 DINGES SEC. 27 TWP. 18S RGE. 25W TEST NO. 2 DATE 11/23/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-23-85 TICKET #10123
CUSTOMER: RAYMOND OIL COMPANY LEASE: DINGES
WELL: 1 TEST: 2 GEOLOGIST: JOE BAKER
ELEVATION (KB): 2435 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4445 FT TO: 4460 FT TOTAL DEPTH: 4460 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4440 FT SIZE: 6 3/4 IN PACKER DEPTH: 4445 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE DRLG. RIG #2
MUD TYPE: STARCH VISCOSITY: 43
WEIGHT: 9.9 WATER LOSS (CC): 11.6
CHLORIDES (P.P.M.): 35000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 450 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 3975 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO STRONG BLOW.

RECOVERED: 840	FT	OF: DRILLING MUD.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
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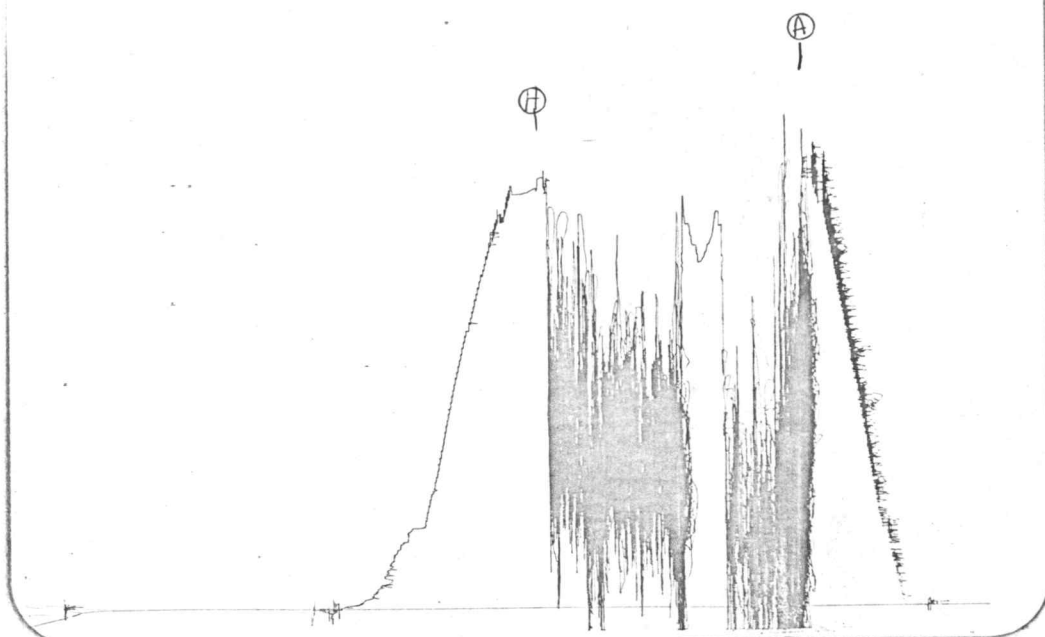
REMARKS: MISRUN - PLUGGING & PACKER FAILURE.
SLID TOOL 15 FEET AFTER TOOL OPENED.

TIME SET PACKER(S): 9:50 PM	TIME STARTED OFF BOTTOM: 11:05 PM
WELL TEMPERATURE: 0 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2417 PSI
INITIAL FLOW PERIOD MIN: 0	(B) 0 PSI TO (C) 0 PSI
INITIAL CLOSED IN PERIOD MIN: 0	(D) 0 PSI
FINAL FLOW PERIOD MIN: 0	(E) 0 PSI TO (F) 0 PSI
FINAL CLOSED IN PERIOD MIN: 0	(G) 0 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2286 PSI

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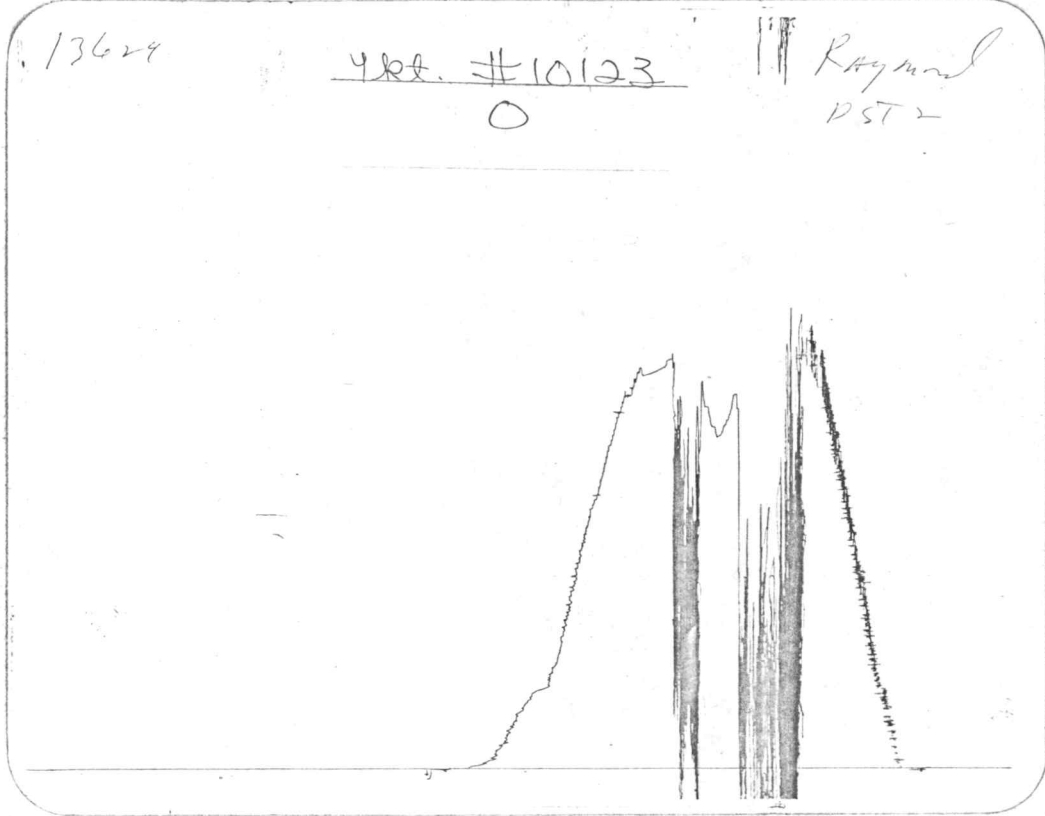
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Raymond
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COMPANY RAYMOND OIL COMPANY

LEASE & WELL NO. #1 DINGES

SEC. 27 TWP. 18S RGE. 25W

TEST NO. 3

DATE 11/24/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-24-85
CUSTOMER: RAYMOND OIL COMPANY
WELL: 1 TEST: 3
ELEVATION (KB): 2435 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4393 FT TO: 4460 FT TOTAL DEPTH: 4460 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4388 FT SIZE: 6 3/4 IN PACKER DEPTH: 4393 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE DRLG. RIG #2
MUD TYPE: STARCH VISCOSITY: 44
WEIGHT: 9.9 WATER LOSS (CC): 11.6
CHLORIDES (P.P.M.): 35000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 420 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 3953 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 67 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW
BUILDING TO FAIR BLOW; 4 INCHES
IN BUCKET. FINAL FLOW PERIOD
NO BLOW.

RECOVERED: 70 FT OF: WATERY MUD
RECOVERED: FT OF: TOP - 10 FEET- 50% WATER; 50% MUD
RECOVERED: FT OF: BOTTOM - 60 FEET - 10% WATER; 90% MUD.
RECOVERED: FT OF: CHLORIDES 24000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 10:05 AM TIME STARTED OFF BOTTOM: 12:35 PM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2469 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 80 PSI TO (C) 80 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1071 PSI
FINAL FLOW PERIOD MIN: 30 (E) 92 PSI TO (F) 92 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 1023 PSI
FINAL HYDROSTATIC PRESSURE (H) 2415 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #10124

LEASE: DINGES

TEST: 3

GEOLOGIST: JOE BAKER

FORMATION: MISSISSIPPI

TOWNSHIP: 18S

COUNTY: NESS

STATE: KANSAS

RANGE: 4300

CLOCK: 12

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TIME - GIVEN TIME - ACTUAL

30 MIN 30 MIN

45 MIN 45 MIN

30 MIN 30 MIN

45 MIN 45 MIN

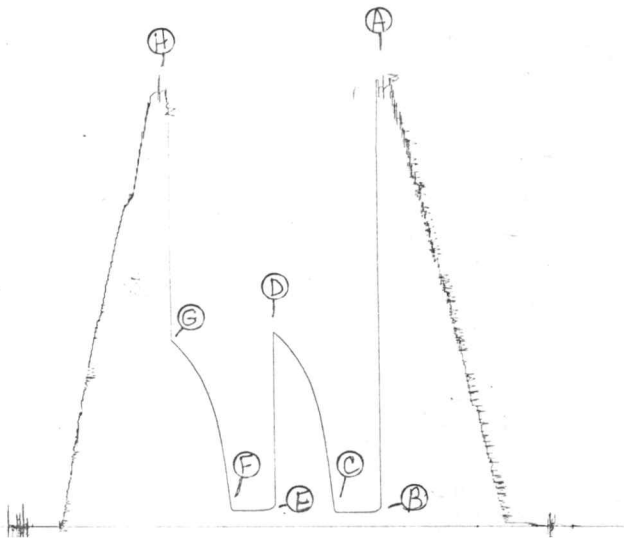
PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	80	0	80	0	92	0	92
2	5	80	3	227	5	92	3	173
3	10	80	6	394	10	92	6	333
4	15	80	9	530	15	92	9	467
5	20	80	12	626	20	92	12	573
6	25	80	15	712	25	92	15	646
7	30	80	18	781	30	92	18	710
8			21	832			21	766
9			24	875			24	815
10			27	912			27	854
11			30	944			30	888
12			33	976			33	920
13			36	1002			36	948
14			39	1028			39	976
15			42	1047			42	998
16			45	1071			45	1023

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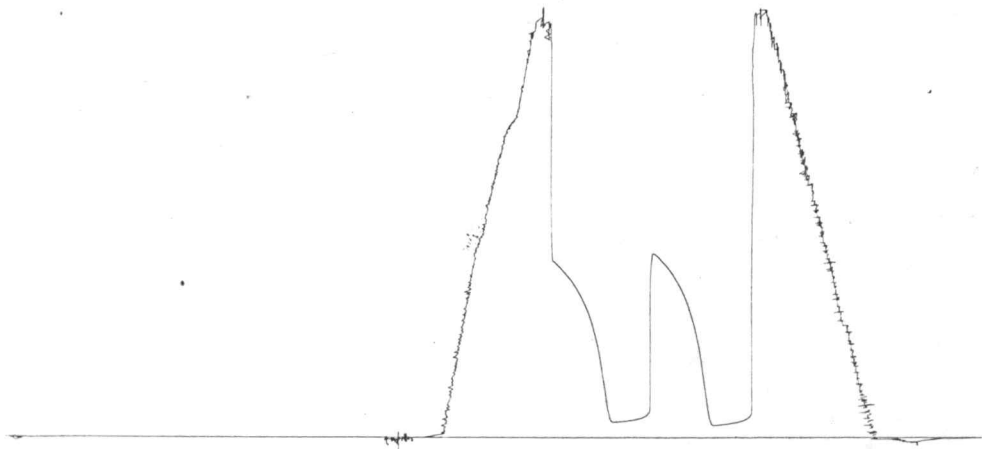
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Raymond
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FORMATION

TEST

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COMPANY RAYMOND OIL COMPANY

LEASE & WELL NO. #1 DINGES

SEC. 27 TWP. 18S RGE. 25W

TEST NO. 4

DATE 11/24/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-24-85 TICKET #10125
CUSTOMER: RAYMOND OIL COMPANY LEASE: DINGES
WELL: 1 TEST: 4 GEOLOGIST: JOE BAKER
ELEVATION (KB): 2435 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4393 FT TO: 4470 FT TOTAL DEPTH: 4470 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4388 FT SIZE: 6 3/4 IN PACKER DEPTH: 4393 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE DRLG. RIG #2
MUD TYPE: STARCH VISCOSITY: 44
WEIGHT: 9.9 WATER LOSS (CC): 11.6
CHLORIDES (P.P.M.): 35000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 360 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 4013 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 77 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD FAIR BLOW;
6 INCHES IN BUCKET.
FINAL FLOW PERIOD WEAK BLOW;
1 INCH IN BUCKET.

RECOVERED: 140 FT OF: WATERY DRILLING MUD (10% WATER; 90% MUD).
RECOVERED: FT OF: CHLORIDES 26000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLID TOOL 8 FEET TO BOTTOM AFTER
TOOL OPENED. SLIGHT PLUGGING
ACTION ON BOTH FLOW PERIODS.

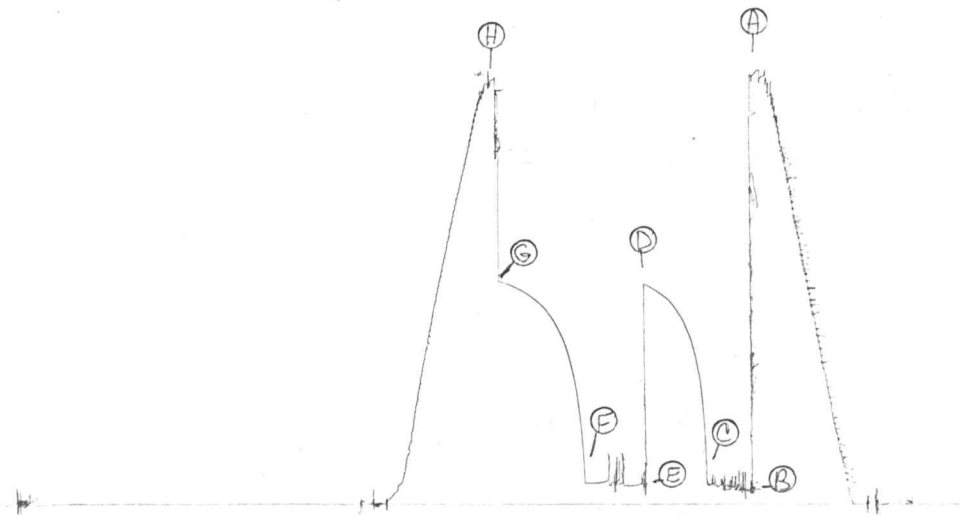
TIME SET PACKER(S): 12:35 AM TIME STARTED OFF BOTTOM: 3:35 AM
WELL TEMPERATURE: 122 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2380 PSI
INITIAL FLOW PERIOD MIN: 35 (B) 81 PSI TO (C) 106 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1231 PSI
FINAL FLOW PERIOD MIN: 45 (E) 102 PSI TO (F) 117 PSI
FINAL CLOSED IN PERIOD MIN: 63 (G) 1243 PSI
FINAL HYDROSTATIC PRESSURE (H) 2347 PSI

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