

FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

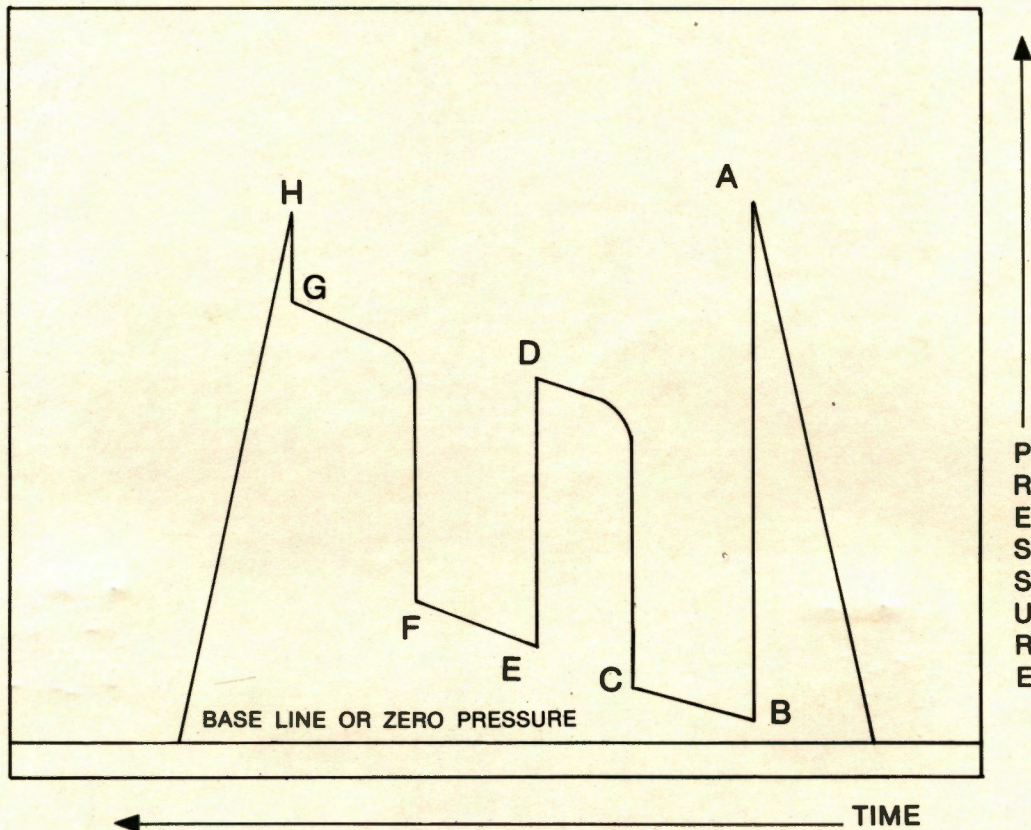
Phone (316) 262-5861

Company A SCOTT RITCHIE Lease and Well No. #1 "A" BERRY Sec. 10 Twp. 18S Rge. 25W Test No. 1 Date 2/8/84

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

10-18-25W

Company

A SCOTT RITCHIE

Lease and Well No.

#1 "A" BERRY

Sec.

10

Twp.

18S

Rge.

25W

Test No.

1

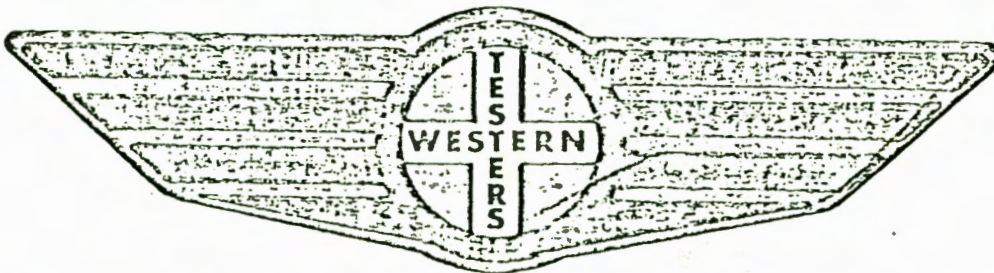
Date

2/8/8

FORMATION

TEST

REPORT



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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/8/84
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 1
ELEVATION (KB): 2384 FORMATION: FORT SCOTT
SECTION: 10 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4213 FT TO: 4274 FT TOTAL DEPTH: 4274 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4213 FT SIZE: 6 5/8 IN PACKER DEPTH: FT SIZE: IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN #8
MUD TYPE: STARCH VISCOSITY: 44
WEIGHT: 10 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 49000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 300 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: 440 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 3455 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 18 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 61 FT SIZE: 5 1/2 O.D. 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK 1/2" BLOW
THROUGHOUT. FINAL FLOW PERIOD
NO BLOW; FLUSHED TOOL GOT A VERY WEAK
BLOW THAT WAS DEAD IN 13 MINUTES.

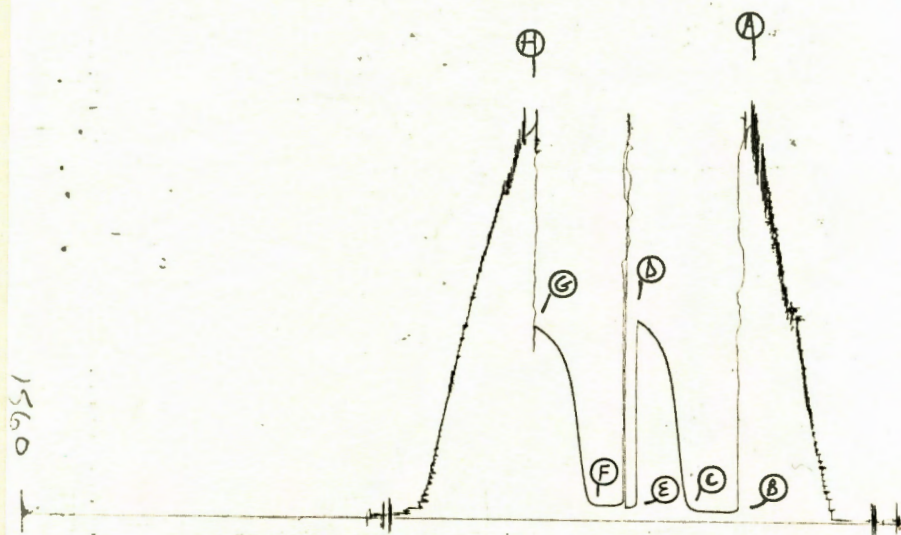
RECOVERED: 70	FT	OF: MUD WITH SHOW OF OIL TOP OF TOOL.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 2:00 A.M.	TIME STARTED OFF BOTTOM: 4:30 A.M.
WELL TEMPERATURE: 113 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2387 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 57 PSI TO (C) 63 PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 1180 PSI
FINAL FLOW PERIOD MIN: 30	(E) 80 PSI TO (F) 93 PSI
FINAL CLOSED IN PERIOD MIN: 45	(G) 1141 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2383 PSI

TKT # 4408

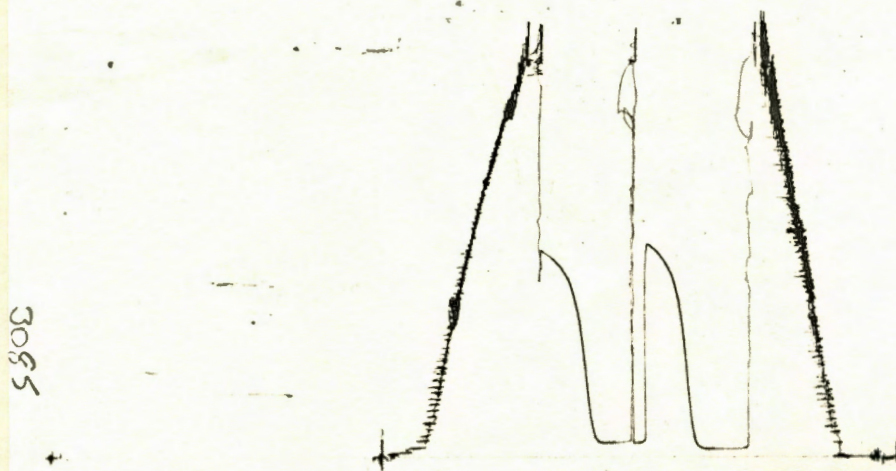
I



Inside Recorder

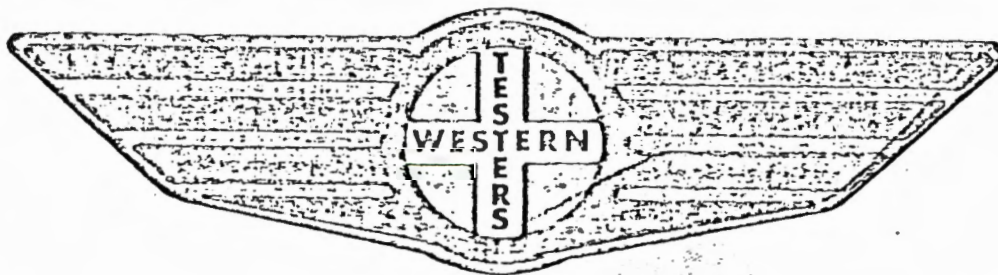
TKT # 4408

O



Outside Recorder

FORMATION TEST REPORT



Home Office:

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WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 2/8/84
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 2
ELEVATION (KB): 2384 FORMATION: CONGL.
SECTION: 10 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2488 PSI
(B) FIRST INITIAL FLOW PRESSURE: 60 PSI
(C) FIRST FINAL FLOW PRESSURE: 60 PSI
(D) INITIAL CLOSED-IN PRESSURE: 83 PSI
(E) SECOND INITIAL FLOW PRESSURE: 65 PSI
(F) SECOND FINAL FLOW PRESSURE: 69 PSI
(G) FINAL CLOSED-IN PRESSURE: 88 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2488 PSI
WELL TEMPERATURE: 115 °F
OPEN TOOL: 8:25 P.M.

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	42 MIN
SECOND FLOW PRESSURE:	30 MIN	30 MIN
FINAL CLOSED-IN PRESSURE:	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	60	0	60	0	65	0	69
2	5	60	3	60	5	65	3	69
3	10	60	6	61	10	77	6	69
4	15	60	9	62	15	70	9	69
5	20	60	12	63	20	69	12	70
6	25	60	15	64	25	69	15	70
7	30	60	18	66	30	69	18	71
8			21	68			21	72
9			24	70			24	74
10			27	72			27	76
11			30	74			30	78
12			33	76			33	80
13			36	78			36	82
14			39	80			39	84
15			42	83			42	86
16							45	88
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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/8/84
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 2
ELEVATION (KB): 2384 FORMATION: CONGL.
SECTION: 10 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4295 FT TO: 4324 FT TOTAL DEPTH: 4324 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4290 FT SIZE: 6 5/8 IN PACKER DEPTH: 4295 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

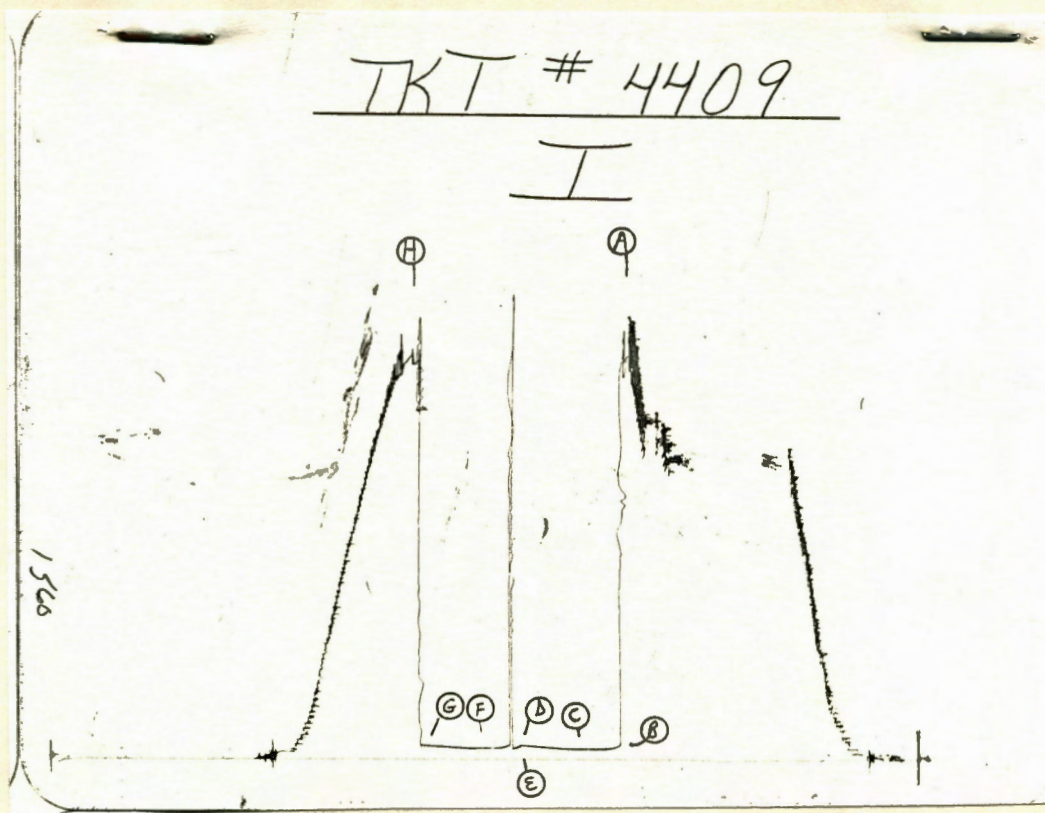
DRILLING CONTRACTOR: MURFIN #8
MUD TYPE: STARCH VISCOSITY: 46
WEIGHT: 10 WATER LOSS (CC): 8.8
CHLORIDES (P.P.M.): 37000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 300 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: 440 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 3532 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 23 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 29 FT SIZE: 5 1/2 O.D. 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 FH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW
DEAD IN 15 MINUTES. FINAL FLOW
PERIOD NO BLOW; FLUSHED TOOL NO HELP.

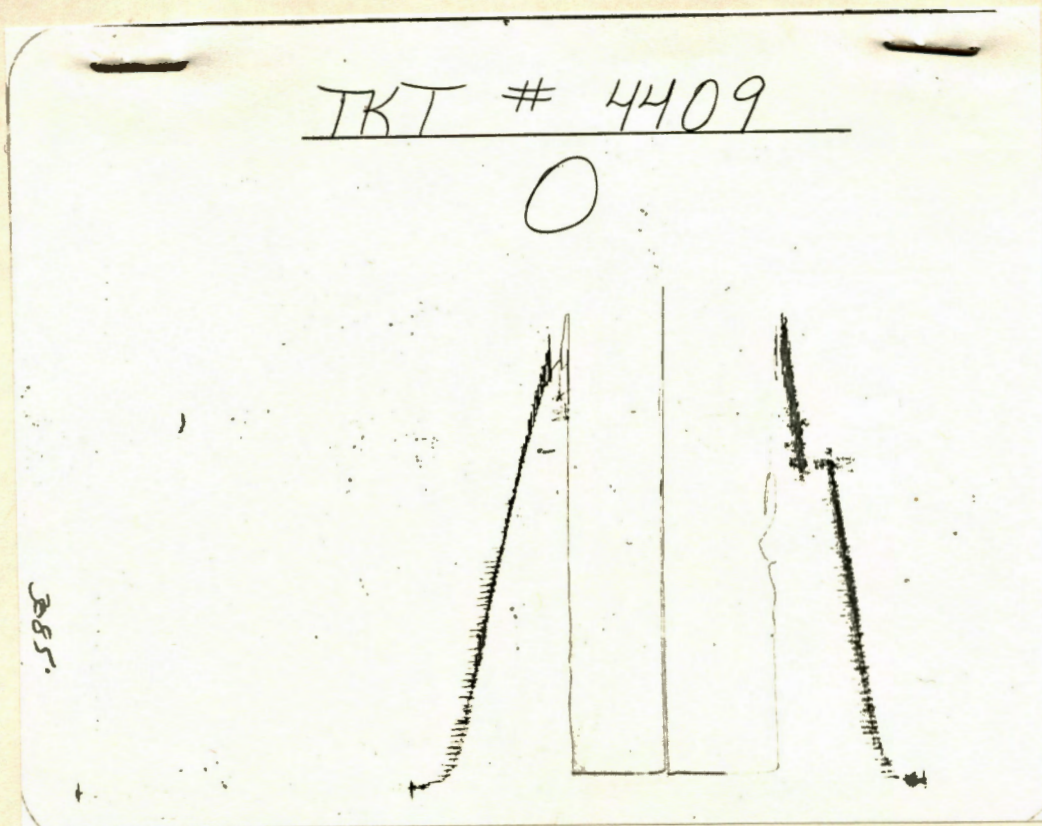
RECOVERED: 30 FT OF: MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:25 P.M. TIME STARTED OFF BOTTOM: 10:55 P.M.
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2488 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 60 PSI TO (C) 60 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 83 PSI
FINAL FLOW PERIOD MIN: 30 (E) 65 PSI TO (F) 69 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 88 PSI
FINAL HYDROSTATIC PRESSURE (H) 2488 PSI



Inside Recorder



Outside Recorder

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/9/84
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 3
ELEVATION (KB): 2384 FORMATION: MISSISSIPPI
SECTION: 10 TOWNSHIP: 18S
RANGE: 25W COUNTY: NESS STATE: KANSAS
GAUGE SN #1560 RANGE: 4500 CLOCK: 12

INTERVAL TEST FROM: 4296 FT TO: 4333 FT TOTAL DEPTH: 4333 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4291 FT SIZE: 6 5/8 IN PACKER DEPTH: 4296 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MURFIN DRLG
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 9.9 WATER LOSS (CC): 14.0
CHLORIDES (P.P.M.): 60000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 300 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: 440 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 3533 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 23 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 37 FT SIZE: 5 1/2 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW.
1/2" TO 2 1/2" BLOW.
FINAL FLOW PERIOD WEAK BLOW.
1" TO 2" BLOW.

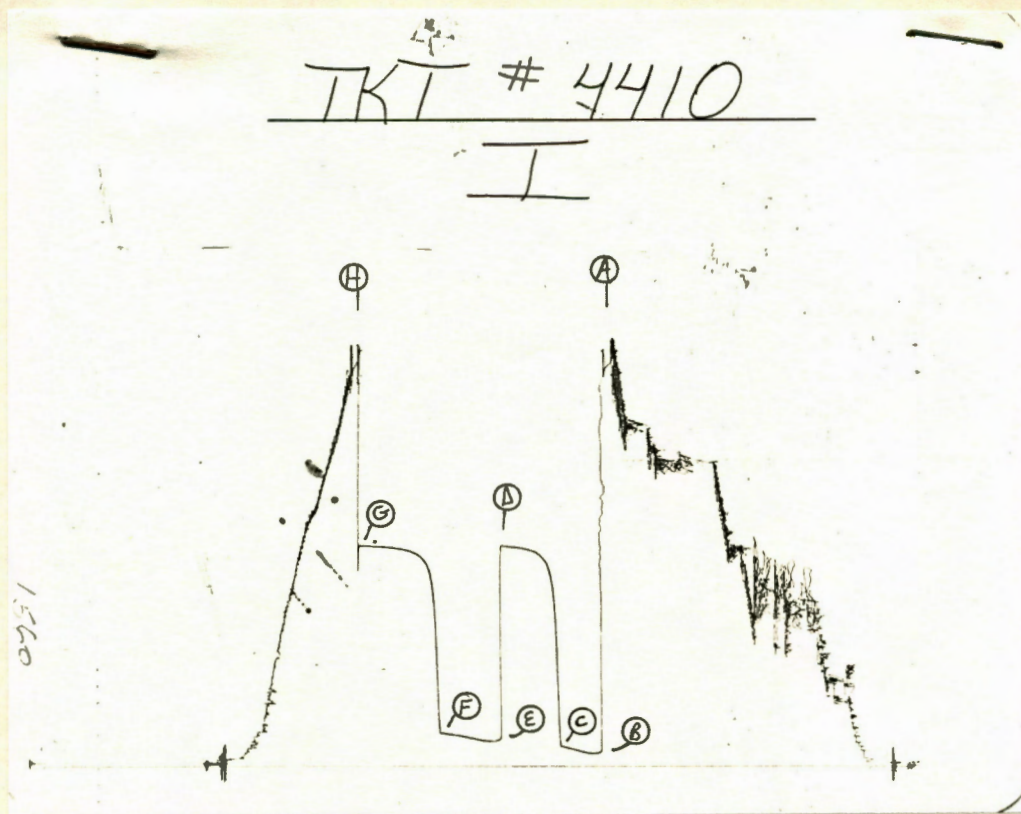
RECOVERED: 120	FT	OF: GAS ABOVE FLUID.
RECOVERED: 30	FT	OF: HEAVY OIL & GAS CUT MUD.
RECOVERED:	FT	OF: 53% MUD; 1% WATER; 20% OIL; 26% GAS.
RECOVERED: 300	FT	OF: HEAVY OIL & GAS CUT MUD.
RECOVERED:	FT	OF: 54% MUD; 1% WATER; 6% GAS; 39% OIL.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

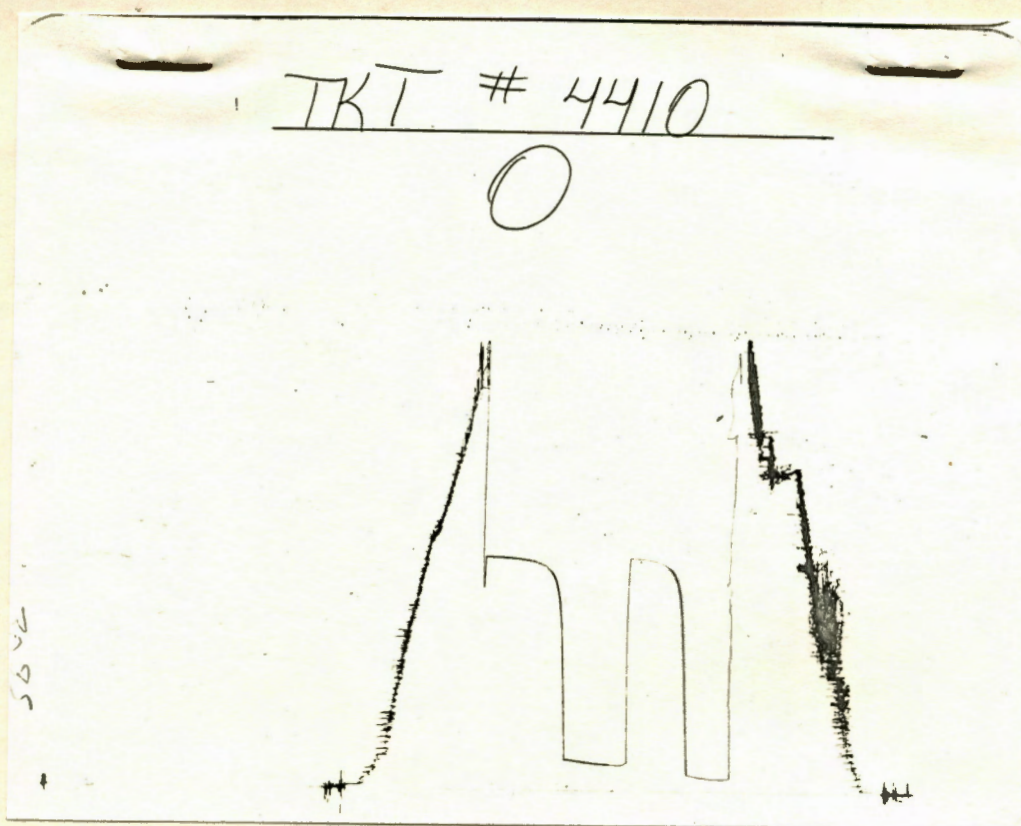
TIME SET PACKER(S): 11:05 AM
WELL TEMPERATURE: 115 °F

TIME STARTED OFF BOTTOM: 2:05 PM

INITIAL HYDROSTATIC PRESSURE:		(A) 2414	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 74	PSI TO (C) 116	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 1282	PSI	
FINAL FLOW PERIOD	MIN: 60	(E) 148	PSI TO (F) 197	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1284	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2414	PSI	



Inside Recorder



Outside Recorder