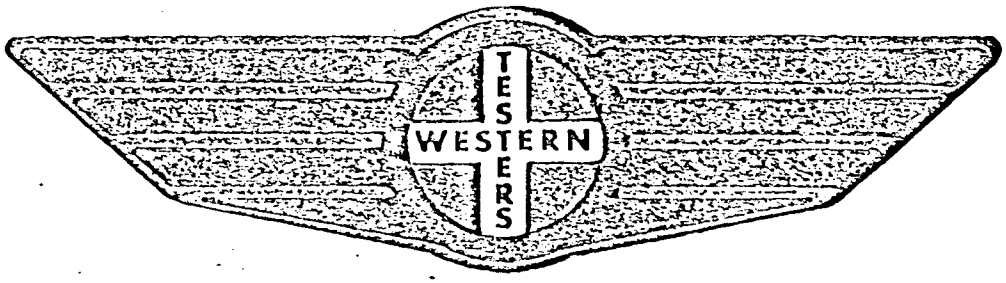
15-151-21623

8-29s-15w

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company RAYMOND OIL COMPANY, INC. Lease & Well No. #2 KULKA FARM TRUST Sec. 8 Twp. 29s Rge. 15w Test No. 1 Date 6/15/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/15/85 TICKET #10834
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 1 GEOLOGIST: DIETTERICH
ELEVATION (KB): 2005 FORMATION: VIOLA
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4706 FT TO: 4725 FT TOTAL DEPTH: 4725 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4701 FT SIZE: 6 3/4 IN PACKER DEPTH: 4706 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG
MUD TYPE: CHEMICAL VISCOSITY: 40
WEIGHT: 9.2 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 6800
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	540	FT	I.D.: 2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	4146	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	20	FT	TOOL SIZE: 5 1/2 OD	IN	
ANCHOR LENGTH:	19	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 VERY WEAK BLOW.
FINAL FLOW PERIOD NO BLOW. FLUSHED
TOOL; NO HELP.

RECOVERED: 20 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:

REMARKS:

TIME SET PACKER(S): 2:55 PM TIME STARTED OFF BOTTOM: 5:25 PM
WELL TEMPERATURE: 120 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 2242	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 21	PSI TO (C) 21	PSI
INITIAL CLOSED IN PERIOD	MIN: 42	(D) 26	PSI	
FINAL FLOW PERIOD	MIN: 30	(E) 23	PSI TO (F) 36	PSI
FINAL CLOSED IN PERIOD	MIN: 45	(G) 40	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2202	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6/15/85 TICKET #10834
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 1 GEOLOGIST: DIETTERICH
ELEVATION (KB): 2005 FORMATION: VIOLA
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2242	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	21	PSI
(C)	FIRST FINAL FLOW PRESSURE:	21	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	26	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	23	PSI
(F)	SECOND FINAL FLOW PRESSURE:	36	PSI
(G)	FINAL CLOSED-IN PRESSURE:	40	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2202	PSI
WELL TEMPERATURE:		120	'F

OPEN TOOL: 2:55 PM

	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

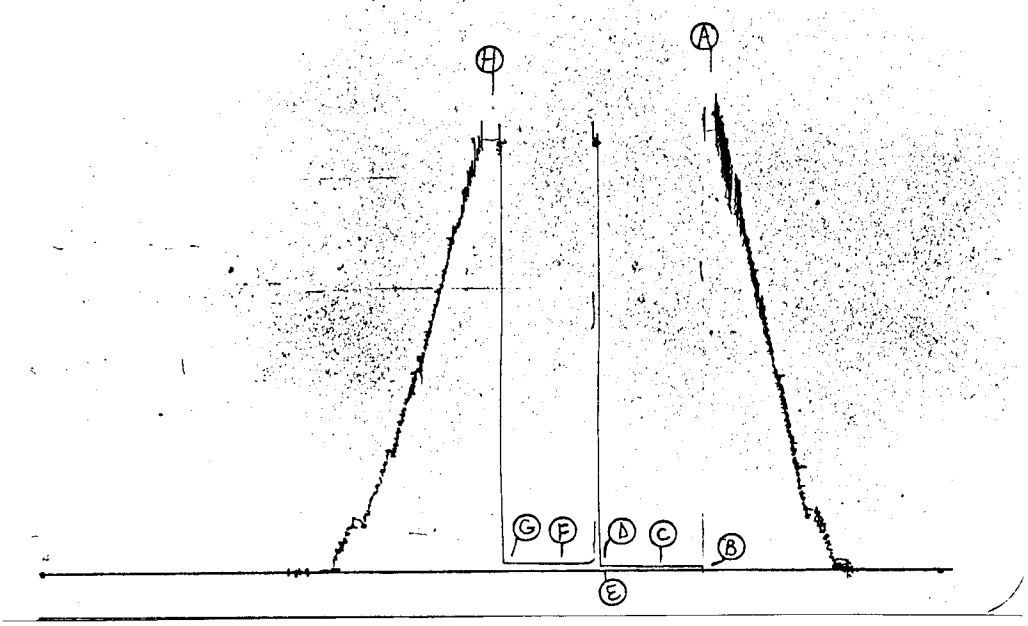
PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	21	0	21	0	23	0	36
2	5	21	3	21	5	23	3	36
3	10	21	6	21	10	44	6	37
4	15	21	9	21	15	38	9	37
5	20	21	12	21	20	37	12	38
6	25	21	15	21	25	36	15	38
7	30	21	18	22	30	36	18	38
8			21	22			21	39
9			24	23			24	39
10			27	23			27	39
11			30	24			30	39
12			33	24			33	40
13			36	25			36	40
14			39	25			39	40
15			42	26			42	40
16							45	40
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~~13402~~
DST #1

TKT # 10834

I

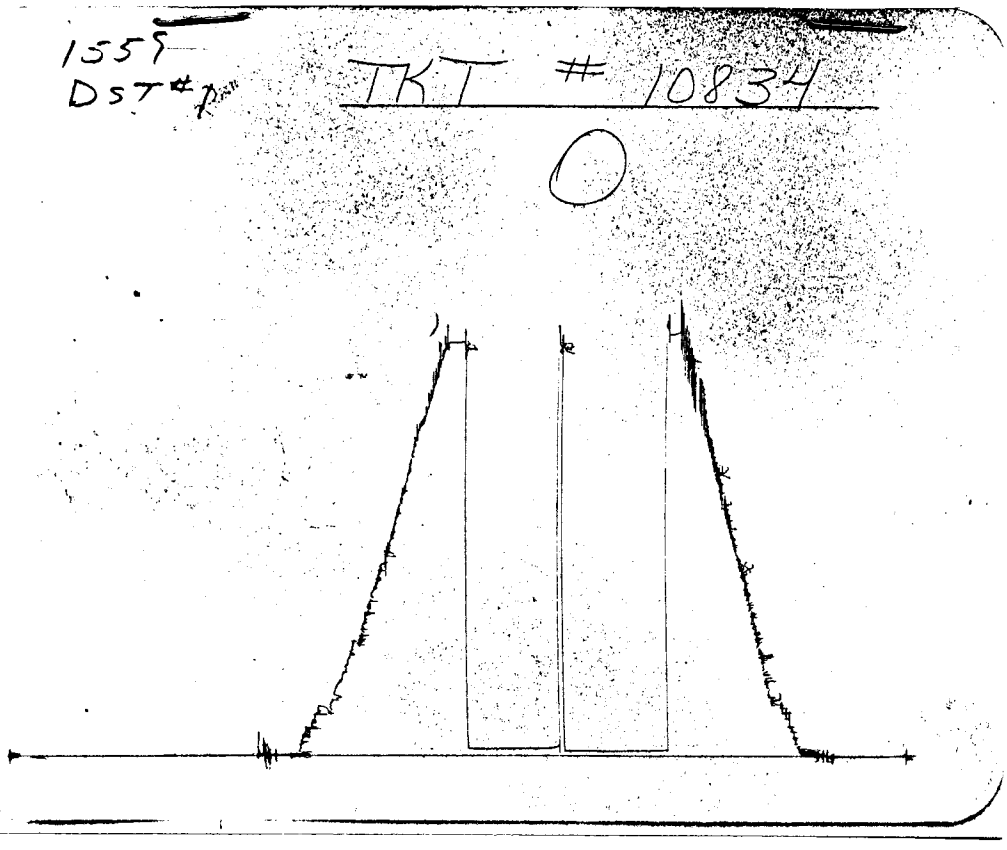


Inside Recorder

1555
DST #1

TKT # 10834

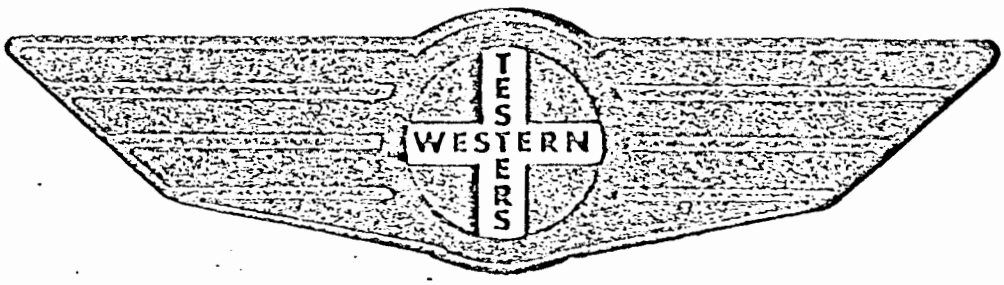
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Outside Recorder

Company RAYMOND OIL COMPANY, INC. Lease & Well No. #2 KULKA FARM TRUST Sec. 8 Twp. 29s Rge. 15w Test No. 2 Date 6/16/85

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6-16-85 TICKET #10759
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 2 GEOLOGIST: R. DIETTERICH
ELEVATION (KB): 2005 FORMATION: VIOLA/SIMPSON
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 4725 FT TO: 4788 FT TOTAL DEPTH: 4788 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4720 FT SIZE: 6 5/8 IN PACKER DEPTH: 4725 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG. #2
MUD TYPE: DRISPAC VISCOSITY: 38
WEIGHT: 9.0 WATER LOSS (CC): 10.4
CHLORIDES (P.P.M.): 7500
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?

DRILL COLLAR LENGTH:	530	FT	I.D.: 2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	4174	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	21	FT	TOOL SIZE: 5 1/2 OD	IN	
ANCHOR LENGTH:	63	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 FH	IN	

BLOW: STRONG BLOW THROUGHOUT TEST.

RECOVERED:	240	FT	OF: OIL & GAS CUT MUD
RECOVERED:		FT	OF: (10% OIL; 30% GAS).
RECOVERED:	1080	FT	OF: OIL & GAS CUT WATERY MUD
RECOVERED:		FT	OF: (15% OIL; 45% WATER; 30% GAS).
RECOVERED:	580	FT	OF: MUDDY WATER (SCUM OF OIL).
RECOVERED:		FT	OF: CHLORIDES 26000 PPM.
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:
RECOVERED:		FT	OF:

REMARKS:

TIME SET PACKER(S): 12:00 PM TIME STARTED OFF BOTTOM: 3:00 PM
WELL TEMPERATURE: 129 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2267	PSI
INITIAL FLOW PERIOD	MIN: 25	(B) 631	PSI TO (C) 702 PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 891	PSI
FINAL FLOW PERIOD	MIN: 45	(E) 833	PSI TO (F) 882 PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 904	PSI
FINAL HYDROSTATIC PRESSURE		(H) 2221	PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6-16-85 TICKET #10759
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 2 GEOLOGIST: R. DIETTERICH
ELEVATION (KB): 2005 FORMATION: VIOLA/SIMPSON
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

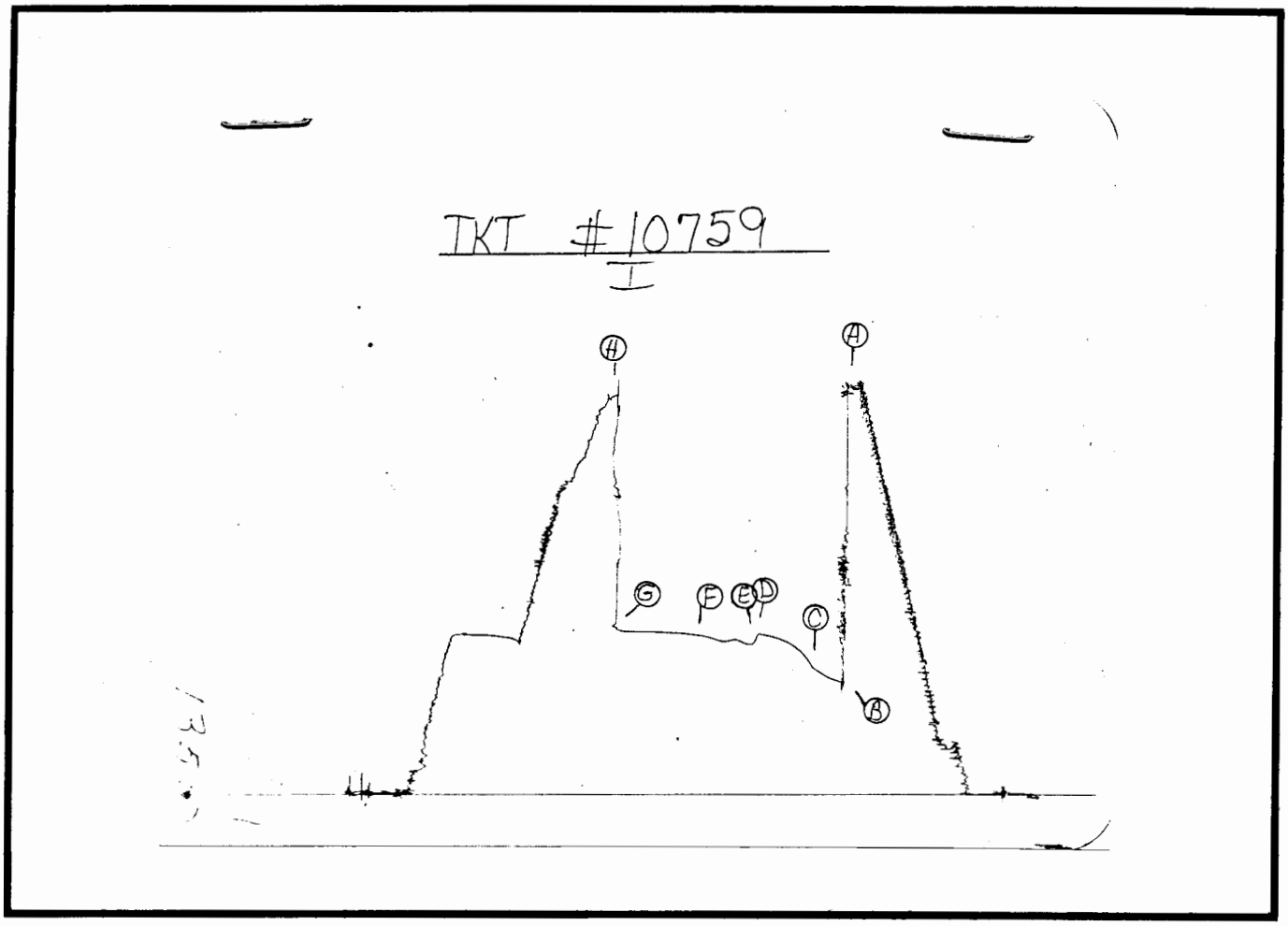
(A) INITIAL HYDROSTATIC PRESSURE:	2267	PSI
(B) FIRST INITIAL FLOW PRESSURE:	631	PSI
(C) FIRST FINAL FLOW PRESSURE:	702	PSI
(D) INITIAL CLOSED-IN PRESSURE:	891	PSI
(E) SECOND INITIAL FLOW PRESSURE:	833	PSI
(F) SECOND FINAL FLOW PRESSURE:	882	PSI
(G) FINAL CLOSED-IN PRESSURE:	904	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2221	PSI
WELL TEMPERATURE:	129	'F

OPEN TOOL: 12:00 PM

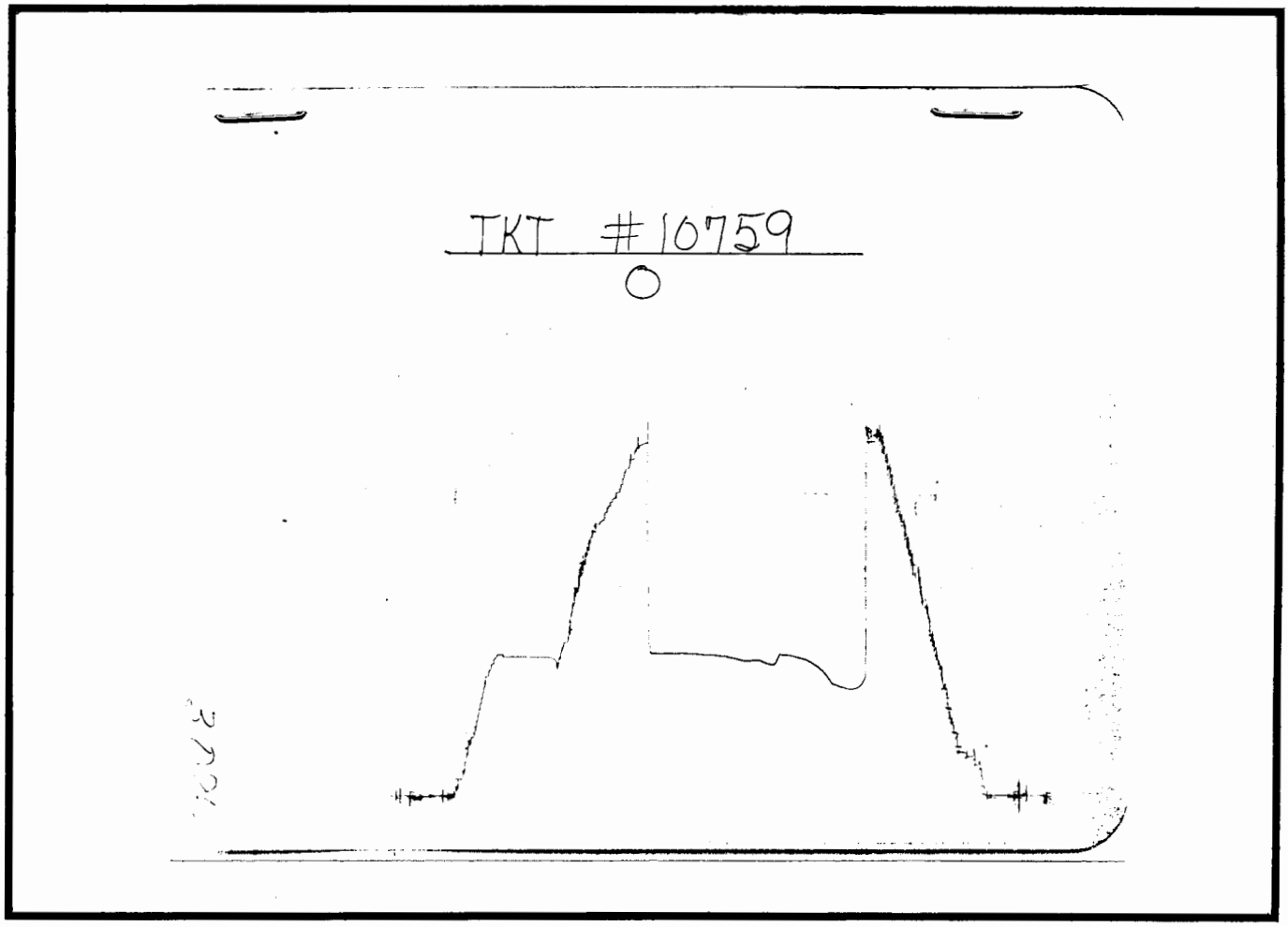
	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	25 MIN
INITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
SECOND FLOW PRESSURE:	45 MIN	45 MIN
FINAL CLOSED-IN PRESSURE:	60 MIN	60 MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	631	0	702	0	833	0	882
2	5	638	3	729	5	833	3	885
3	10	650	6	761	10	839	6	889
4	15	670	9	785	15	854	9	892
5	20	691	12	806	20	856	12	894
6	25	702	15	822	25	849	15	896
7			18	835	30	853	18	897
8			21	848	35	865	21	898
9			24	856	40	876	24	899
10			27	864	45	882	27	900
11			30	872			30	901
12			33	879			33	901
13			36	884			36	902
14			39	887			39	902
15			42	890			42	903
16			45	891			45	903
17							48	903
18							51	904
19							54	904
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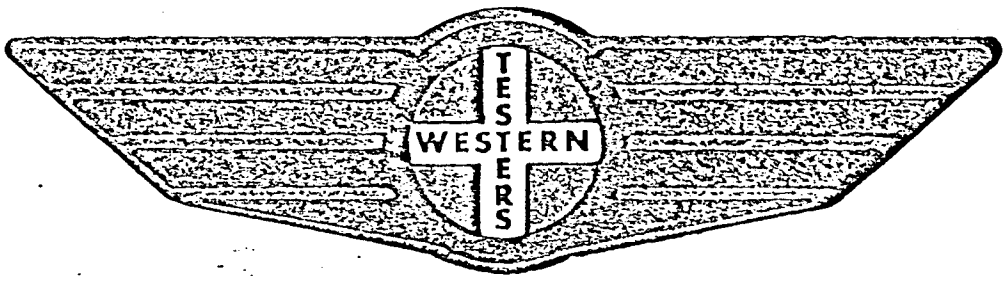


Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

Company RAYMOND OIL COMPANY, INC. Lease & Well No. #2 KULKA FARM TRUST Sec. 8 Twp. 29S Rge. 15W Test No. 3 Date 6-17-85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6-17-85 TICKET #10835
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 3 GEOLOGIST: R. DIETTERICH
ELEVATION (KB): 0 FORMATION: VIOLA
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

INTERVAL TEST FROM: 4720 FT TO: 4735 FT TOTAL DEPTH: 4816 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4715 FT SIZE: 6 3/4 IN PACKER DEPTH: 4720 FT SIZE: 6 3/4 IN
PACKER DEPTH: 4735 FT SIZE: 6 3/4 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: ALDEBARAN DRLG. #2
MUD TYPE: CHEMICAL VISCOSITY: 45
WEIGHT: 9.0 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 12000
JARS - MAKE: WTC SERIAL NUMBER: 406
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:	480	FT	I.D.: 2.25	IN	
WEIGHT PIPE LENGTH:		FT	I.D.:	IN	
DRILL PIPE LENGTH:	4292	FT	I.D.: 3.8	IN	
TEST TOOL LENGTH:	29	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.
FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 120	FT	OF:	SLIGHTLY OIL CUT MUD
RECOVERED:	FT	OF:	(85% MUD; 10% OIL).
RECOVERED: 60	FT	OF:	OIL CUT WATERY MUD
RECOVERED:	FT	OF:	(40% MUD; 40% WATER; 8% OIL).
RECOVERED: 60	FT	OF:	SLIGHTLY OIL CUT WATER (2% OIL).
RECOVERED:	FT	OF:	CHLORIDES 25000 PPM.
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	

REMARKS: SLID TOOL 10 FEET TO BOTTOM.
PRESSURE QUESTIONABLE ON INITIAL
FLOW PERIOD; SLID TOOL 5 FEET
DURING INITIAL FLOW PERIOD.

TIME SET PACKER(S): 2:10 AM TIME STARTED OFF BOTTOM: 5:25 AM
WELL TEMPERATURE: 122 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 2228	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 34	PSI TO (C) 38	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 2562	PSI	
FINAL FLOW PERIOD	MIN: 65	(E) 60	PSI TO (F) 131	PSI
FINAL CLOSED IN PERIOD	MIN: 63	(G) 855	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2152	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 6-17-85 TICKET #10835
CUSTOMER: RAYMOND OIL COMPANY INC. LEASE: KULKA FARM TRUST
WELL: 2 TEST: 3 GEOLOGIST: R. DIETTERICH
ELEVATION (KB): 0 FORMATION: VIOLA
SECTION: 8 TOWNSHIP: 29S
RANGE: 15W COUNTY: PRATT STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

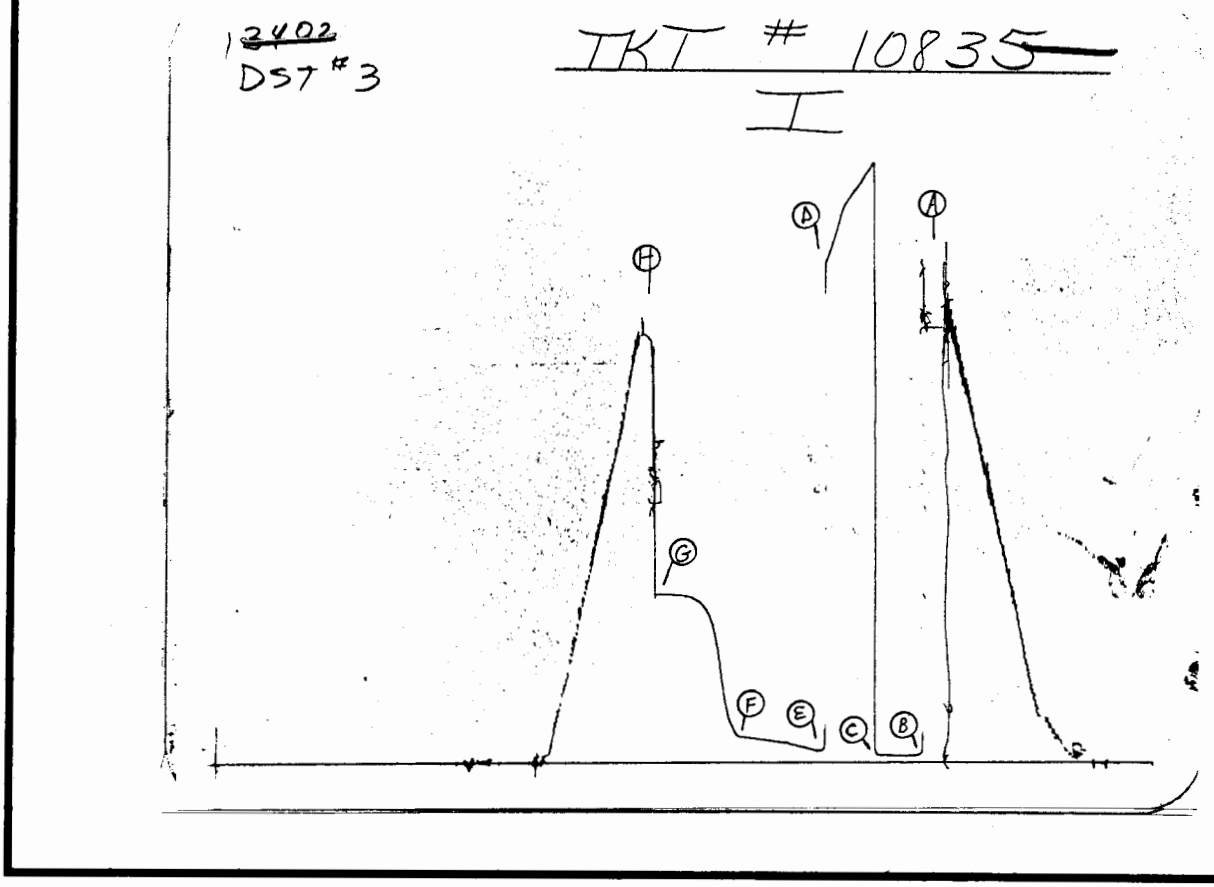
(A) INITIAL HYDROSTATIC PRESSURE:	2228	PSI
(B) FIRST INITIAL FLOW PRESSURE:	34	PSI
(C) FIRST FINAL FLOW PRESSURE:	38	PSI
(D) INITIAL CLOSED-IN PRESSURE:	2562	PSI
(E) SECOND INITIAL FLOW PRESSURE:	60	PSI
(F) SECOND FINAL FLOW PRESSURE:	131	PSI
(G) FINAL CLOSED-IN PRESSURE:	855	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2152	PSI
WELL TEMPERATURE:	122	'F

OPEN TOOL: 2:10 AM

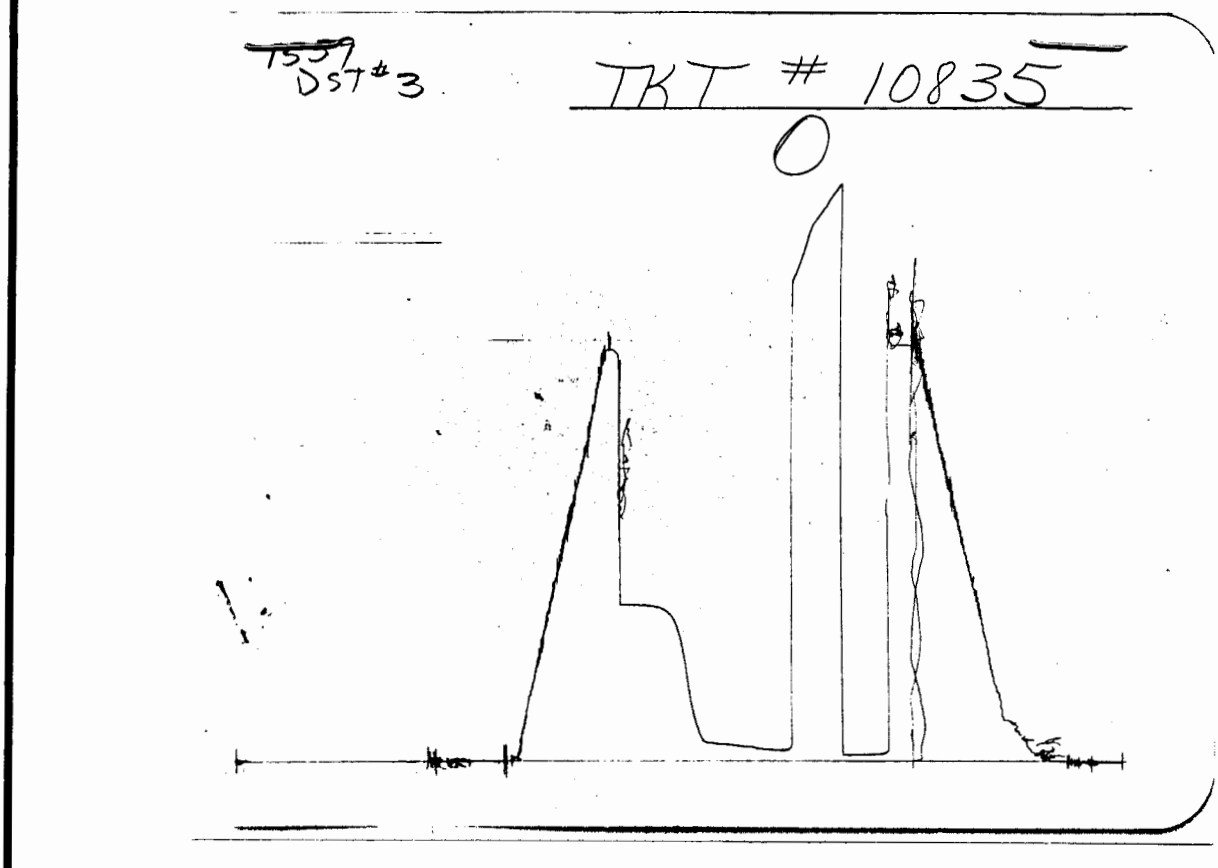
	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	45	MIN	45	MIN
SECOND FLOW PRESSURE:	60	MIN	65	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	63	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	34	0	38	0	60	0	131
2	5	34	3	39	5	60	3	161
3	10	34	6	978	10	67	6	205
4	15	34	9	3096	15	78	9	287
5	20	35	12	3067	20	86	12	413
6	25	36	15	3039	25	93	15	569
7	30	38	18	3006	30	102	18	662
8			21	2971	35	106	21	731
9			24	2943	40	110	24	776
10			27	2914	45	116	27	804
11			30	2882	50	121	30	820
12			33	2827	55	127	33	832
13			36	2745	60	130	36	841
14			39	2667	65	131	39	847
15			42	2610			42	849
16			45	2562			45	850
17							48	851
18							51	852
19							54	853
20							57	854
21							60	855
22							63	855
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Inside Recorder



Outside Recorder