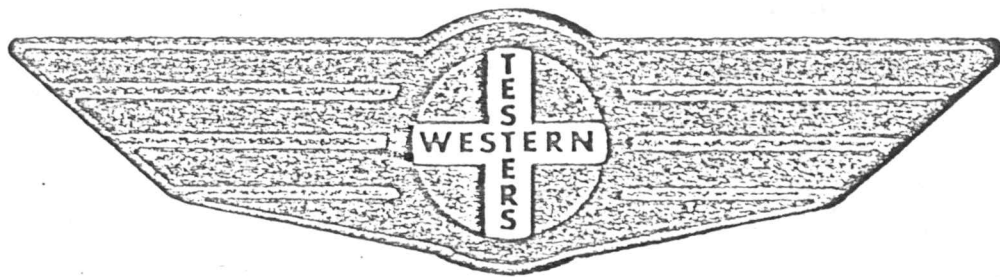


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company A SCOTT KLITCH Lease & Well No. #1 HUDSON Sec. 29 Twp. 33S Rge. 4W Test No. 1 Date 9/23/02

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-25-85
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 1
ELEVATION (KB): 1226 FORMATION: HERTHA
SECTION: 29 TOWNSHIP: 33S
RANGE: 4W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3726 FT TO: 3754 FT TOTAL DEPTH: 3754 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3726 FT SIZE: 6 3/4 IN PACKER DEPTH: 3721 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER DRLG. #2
MUD TYPE: CHEM/DRIS VISCOSITY: 41
WEIGHT: 9.1 WATER LOSS (CC): 26
CHLORIDES (P.P.M.): 17500
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3706 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 28 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;
DIED IN 20 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 30 FT OF: MUD WITH FEW SPOTS OF OIL ON 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: SLID TOOL 10 FEET.
RECEIVED ONLY ONE CHART.

TIME SET PACKER(S): 12:20 TIME STARTED OFF BOTTOM: 2:20
WELL TEMPERATURE: 118 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1778 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 37 PSI TO (C) 37 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 43 PSI
FINAL FLOW PERIOD MIN: 30 (E) 37 PSI TO (F) 37 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 37 PSI
FINAL HYDROSTATIC PRESSURE (H) 1761 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

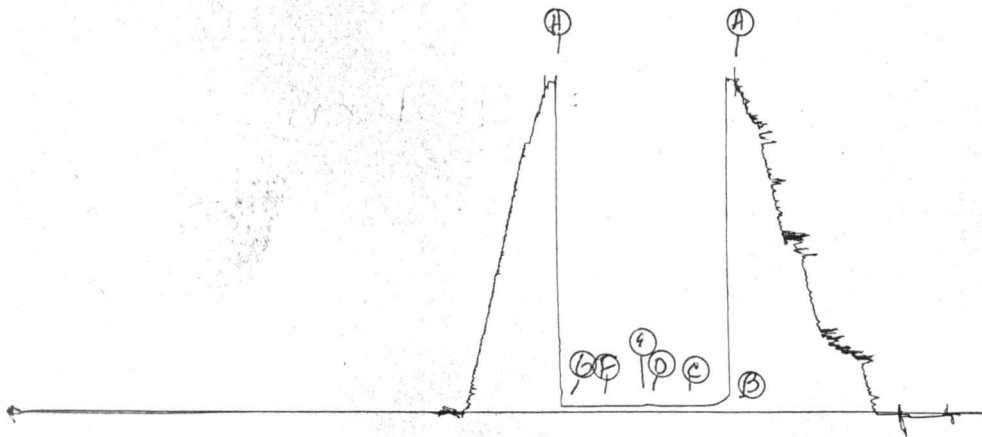
DATE: 8-25-85
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 1
ELEVATION (KB): 1226 FORMATION: HERTHA
SECTION: 29 TOWNSHIP: 33S
RANGE: 4W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #2605 RANGE: 4150 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1778 PSI
(B) FIRST INITIAL FLOW PRESSURE: 37 PSI
(C) FIRST FINAL FLOW PRESSURE: 37 PSI
(D) INITIAL CLOSED-IN PRESSURE: 43 PSI
(E) SECOND INITIAL FLOW PRESSURE: 37 PSI
(F) SECOND FINAL FLOW PRESSURE: 37 PSI
(G) FINAL CLOSED-IN PRESSURE: 37 PSI
(H) FINAL HYDROSTATIC PRESSURE: 1761 PSI
WELL TEMPERATURE: 118 °F
OPEN TOOL: 12:20

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

PRESSURE BREAKDOWN								
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	37	0	37	0	37	0	37
2	5	37	3	37	5	37	3	37
3	10	37	6	37	10	37	6	37
4	15	37	9	37	15	37	9	37
5	20	37	12	37	20	37	12	37
6	25	37	15	37	25	37	15	37
7	30	37	18	37	30	37	18	37
8			21	37			21	37
9			24	38			24	37
10			27	41			27	37
11			30	43			30	37
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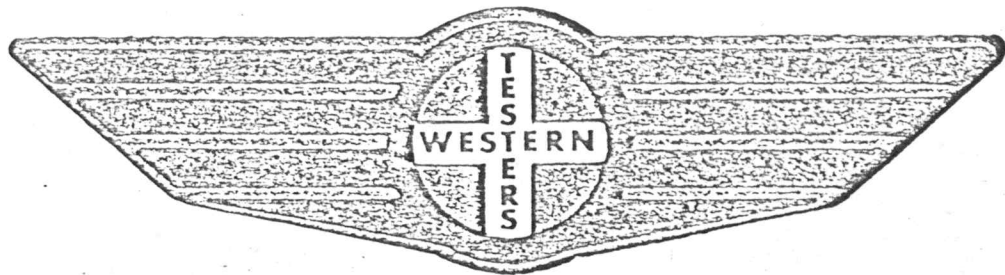
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company A SCOTT RITCHIE Lease & Well No. #1 HODSON Sec. 29 Twp. 33S Rge. 4W Test No. 2 Date 8/29/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-29-85
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 2
ELEVATION (KB): 1226 FORMATION: SIMPSON
SECTION: 29 TOWNSHIP: 33S
RANGE: 4W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

TICKET #6193
LEASE: HODSON
GEOLOGIST: L.A. KESTEN

INTERVAL TEST FROM: 4600 FT TO: 4607 FT TOTAL DEPTH: 4607 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4595 FT SIZE: 6 3/4 IN PACKER DEPTH: 4600 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER DRLG. #6
MUD TYPE: DRISPAC VISCOSITY: 43
WEIGHT: 9.3 WATER LOSS (CC): 14.0
CHLORIDES (P.P.M.): 14000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4575 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 7 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: WEAK BLOW FOR 18 MINUTES.

RECOVERED: 10 FT OF: DRILLING MUD WITH 3 SMALL OIL SPOTS ON TOP.
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: READ OUTSIDE CHART #5666.
FLUSHED TOOL ON FINAL FLOW PERIOD.

TIME SET PACKER(S): 12:45 AM
WELL TEMPERATURE: 142 °F

TIME STARTED OFF BOTTOM: 2:45 AM

INITIAL HYDROSTATIC PRESSURE:		(A) 2267	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 35	PSI TO (C) 35	PSI
INITIAL CLOSED IN PERIOD	MIN: 30	(D) 45	PSI	
FINAL FLOW PERIOD	MIN: 35	(E) 40	PSI TO (F) 40	PSI
FINAL CLOSED IN PERIOD	MIN: 30	(G) 46	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 2247	PSI	

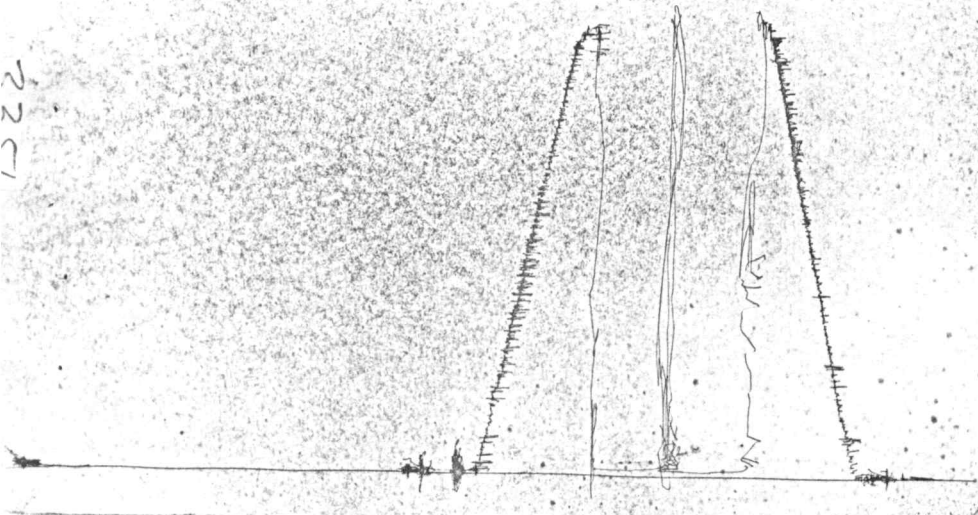
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DST#2

22C1

TKT # 6193

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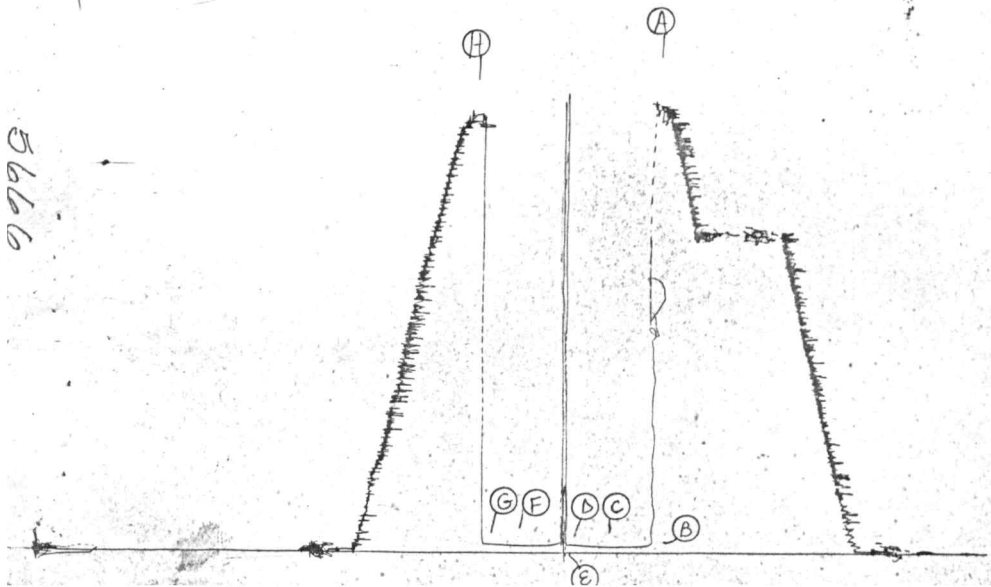


TKT # 6193

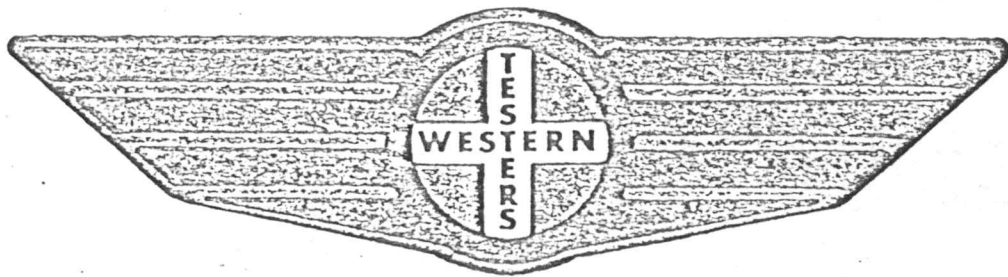


DST#2
6193

5666



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company A SCOTT KITCHIE Lease & Well No. #1 HUDSON Sec. 29 Twp. 33S Rge. 4W Test No. 3 Date 8/27/83

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-29-85
CUSTOMER: A. SCOTT RITCHIE
WELL: 1 TEST: 3
ELEVATION (KB): 1226 FORMATION: SIMPSON SAND
SECTION: 29 TOWNSHIP: 33S
RANGE: 4W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

INTERVAL TEST FROM: 4605 FT TO: 4620 FT TOTAL DEPTH: 4620 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4600 FT SIZE: 6 3/4 IN PACKER DEPTH: 4605 FT SIZE: 6 3/4 IN
PACKER DEPTH: 4600 FT SIZE: 6 3/4 IN

DRILLING CONTRACTOR: RED TIGER DRLG. #6
MUD TYPE: DRISPAC VISCOSITY: 50
WEIGHT: 9.0 WATER LOSS (CC): 20.0
CHLORIDES (P.P.M.): 20000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4580 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 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: WEAK BLOW TO STRONG BLOW.
BOTTOM OF BUCKET IN 12 1/2 MINUTES.

RECOVERED: 500 FT OF: SALT WATER.
RECOVERED: FT OF: CHLORIDES 65000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

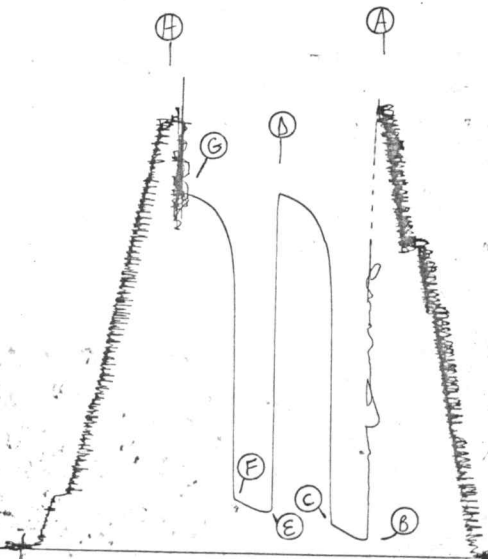
TIME SET PACKER(S): 4:15 PM TIME STARTED OFF BOTTOM: 6:45 PM
WELL TEMPERATURE: 145 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2227 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 87 PSI TO (C) 160 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 1848 PSI
FINAL FLOW PERIOD MIN: 30 (E) 220 PSI TO (F) 282 PSI
FINAL CLOSED IN PERIOD MIN: 39 (G) 1841 PSI
FINAL HYDROSTATIC PRESSURE (H) 2203 PSI

6194

DST 3

TKT # 6194

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TKT # 6194

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DST #3

6194

3351

