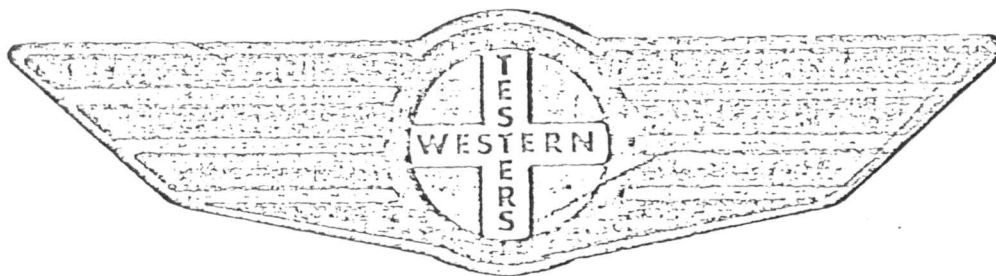


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO., INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4-3-84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 2 TEST: 1
ELEVATION (KB): 1500 FORMATION: SWOPE
SECTION: 5 TOWNSHIP: 32S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4053 FT TO: 4081 FT TOTAL DEPTH: 4081 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4048 FT SIZE: 6 3/4 IN PACKER DEPTH: 4053 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: COMPANY TOOLS #10
MUD TYPE: CHEM DRIS VISCOSITY: 53
WEIGHT: 9.5 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 16000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3847 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5.5 OD IN
ANCHOR LENGTH: 28 FT SIZE: 5.5 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4.5 FH IN

BLOW: INITIAL FLOW PERIOD; VERY WEAK TO WEAK BLOW.
BACK TO VERY WEAK.
FINAL FLOW PERIOD; VERY WEAK TO FEW BUBBLES.

RECOVERED: 140 FT OF: THIN MUD.
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RECOVERED: FT OF:
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RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:35 PM TIME STARTED OFF BOTTOM: 7:35 PM
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2177 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 52 PSI TO (C) 52 PSI
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1631 PSI
FINAL FLOW PERIOD MIN: 30 (E) 99 PSI TO (F) 99 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1614 PSI
FINAL HYDROSTATIC PRESSURE (H) 2089 PSI

2606 DST# 1

ICK# 4343

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(H)

(A)

(G)

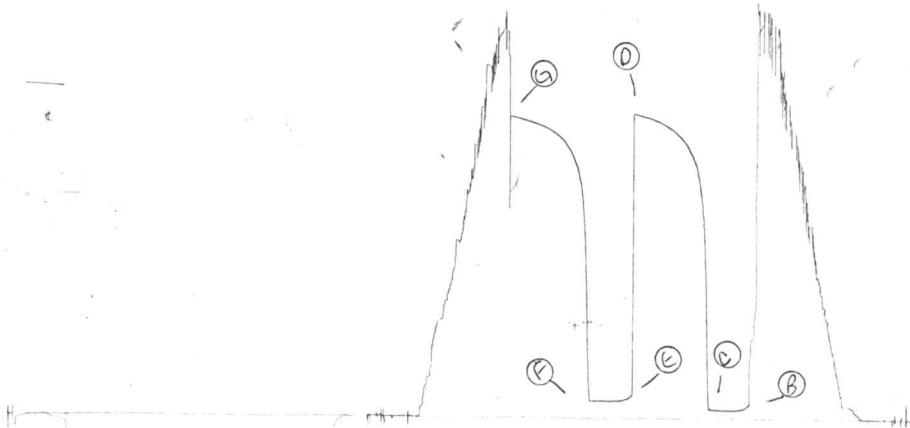
(D)

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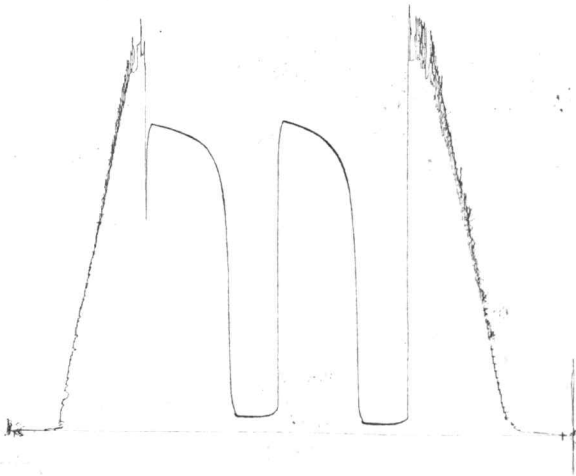
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1. 12267 DST#1

4C# 4343

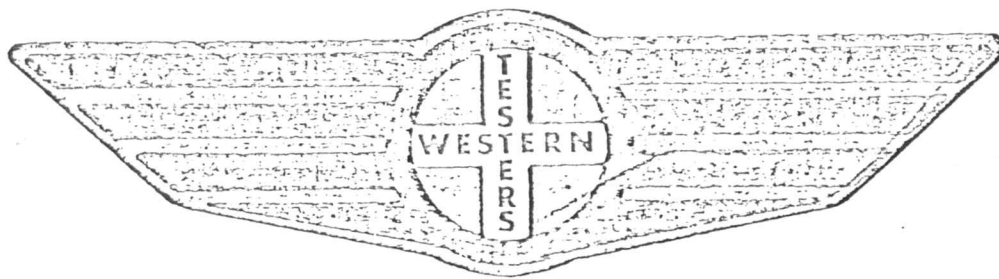
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

PICRELL DRILLING COMPANY
Lease and Well No. #2 DAVIS

Sec. 2

Twp. 24S

Rge. 2W

Test No. 4

Date 7/1/54

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4/5/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 2 TEST: 2
ELEVATION (KB): 1500 FORMATION: MISSISSIPPI
SECTION: 5 TOWNSHIP: 32S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4346 FT TO: 4362 FT TOTAL DEPTH: 4362 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4341 FT SIZE: 6 3/4 IN PACKER DEPTH: 4346 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLLG
MUD TYPE: CHEM-PREMX VISCOSITY: 65
WEIGHT: 9.6 WATER LOSS (CC): 10.8
CHLORIDES (P.P.M.): 16000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4140 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 16 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 IN 9 MINUTES THROUGHOUT TEST.
NO GAS TO SURFACE.

RECOVERED: 1365	FT	OF: GAS ABOVE FLUID.
RECOVERED: 130	FT	OF: GASSY MUD. OIL CUT; BOTTOM 62'.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: CLOCK #13267 STOPPED ON FINAL FLOW PERIOD.

TIME SET PACKER(S): 10:15 AM	TIME STARTED OFF BOTTOM: 2:45 PM
WELL TEMPERATURE: 120 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2401 PSI
INITIAL FLOW PERIOD MIN: 25	(B) 42 PSI TO (C) 42 PSI
INITIAL CLOSED IN PERIOD MIN: 57	(D) 318 PSI
FINAL FLOW PERIOD MIN: 90	(E) 70 PSI TO (F) 80 PSI
FINAL CLOSED IN PERIOD MIN: 93	(G) 552 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2343 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 4/5/84	TICKET #4344
CUSTOMER: PICKRELL DRILLING COMPANY	LEASE: DAVIS
WELL: 2	GEOLOGIST: STRONG
TEST: 2	
ELEVATION (KB): 1500	FORMATION: MISSISSIPPI
SECTION: 5	TOWNSHIP: 32S
RANGE: 9W	COUNTY: HARPER
STATE: KANSAS	
GAUGE SN #2606	RANGE: 4150
CLOCK: 12	

(A)	INITIAL HYDROSTATIC PRESSURE:	2401	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	42	PSI
(C)	FIRST FINAL FLOW PRESSURE:	42	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	318	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	70	PSI
(F)	SECOND FINAL FLOW PRESSURE:	80	PSI
(G)	FINAL CLOSED-IN PRESSURE:	552	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2343	PSI
	WELL TEMPERATURE:	120	'F
	OPEN TOOL: 10:15 AM		

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	25 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	57 MIN
SECOND FLOW PRESSURE:	90 MIN	90 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	93 MIN

PRESSURE BREAKDOWN

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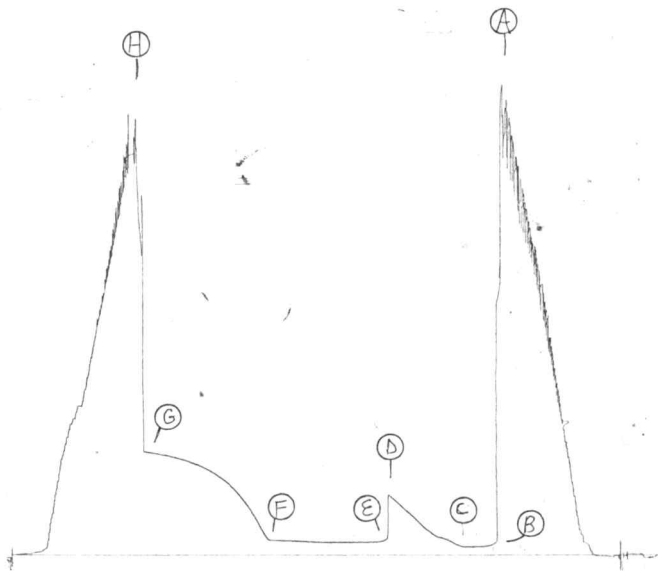
PRESSURE BREAKDOWN - CONT. TICKET #4344

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
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2606 DSTZ

TKT # 4344

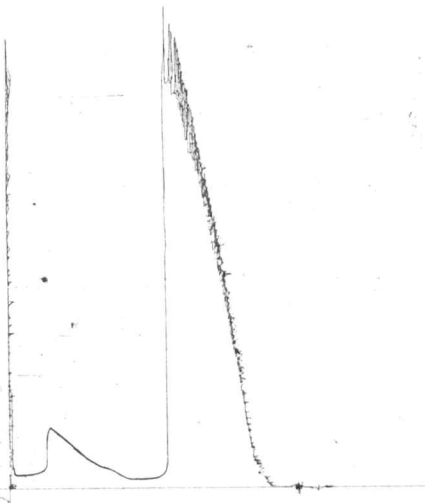
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TKT-# 4344

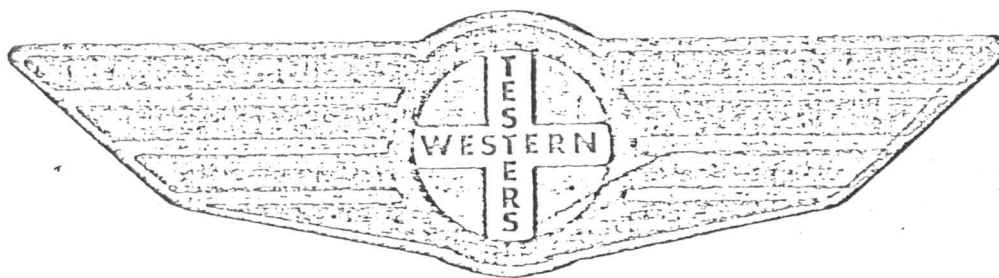
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PICRELL DRILLING COMPANY Lease and Well No. #2 DAVIS Sec. 5 Twp. 32S Rge. 9W Test No. 3 Date 4/5/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4/5/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 2 TEST: 3
ELEVATION (KB): 1500 FORMATION: MISSISSIPPI
SECTION: 5 TOWNSHIP: 32S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4362 FT TO: 4377 FT TOTAL DEPTH: 4377 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4357 FT SIZE: 6 3/4 IN PACKER DEPTH: 4362 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG
MUD TYPE: CHEM-DRIS VISCOSITY: 65
WEIGHT: 9.6 WATER LOSS (CC): 10.8
CHLORIDES (P.P.M.): 16000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4156 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK STEADY BLOW.
FINAL FLOW PERIOD LIGHT BLOW
DECREASING TO VERY WEAK BLOW

RECOVERED: 620 FT OF: GAS ABOVE FLUID.
RECOVERED: 120 FT OF: SLIGHTLY OIL CUT GASSY MUD.
RECOVERED: FT OF: 55% MUD; 40% WATER; 2% OIL; 3% GAS.
RECOVERED: FT OF: CHLORIDES 40000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 1:30 AM TIME STARTED OFF BOTTOM: 6:00 AM
WELL TEMPERATURE: 120 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2405 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 61 PSI TO (C) 61 PSI
INITIAL CLOSED IN PERIOD MIN: 54 (D) 342 PSI
FINAL FLOW PERIOD MIN: 90 (E) 75 PSI TO (F) 75 PSI
FINAL CLOSED IN PERIOD MIN: 87 (G) 434 PSI
FINAL HYDROSTATIC PRESSURE (H) 2325 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 4/5/84

CUSTOMER: PICKRELL DRILLING COMPANY

TEST: 3

ELEVATION (KB): 1500

FORMATION: MISSISSIPPI

COUNTY: HARPER

CLOCK: 12

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2405 PSI

(B) FIRST INITIAL FLOW PRESSURE: 61 PSI

(C) FIRST FINAL FLOW PRESSURE: 61 PSI

(D) INITIAL CLOSED-IN PRESSURE: 342 PSI

(E) SECOND INITIAL FLOW PRESSURE: 75 PSI

(F) SECOND FINAL FLOW PRESSURE: 75 PSI

(G) FINAL CLOSED-IN PRESSURE: 434 PSI

(H) FINAL HYDROSTATIC PRESSURE: 2325 PSI

WELL TEMPERATURE: 120 °F

OPEN TOOL: 1:30 AM

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 60 MIN 54 MIN

SECOND FLOW PRESSURE: 90 MIN 90 MIN

FINAL CLOSED-IN PRESSURE: 90 MIN 87 MIN

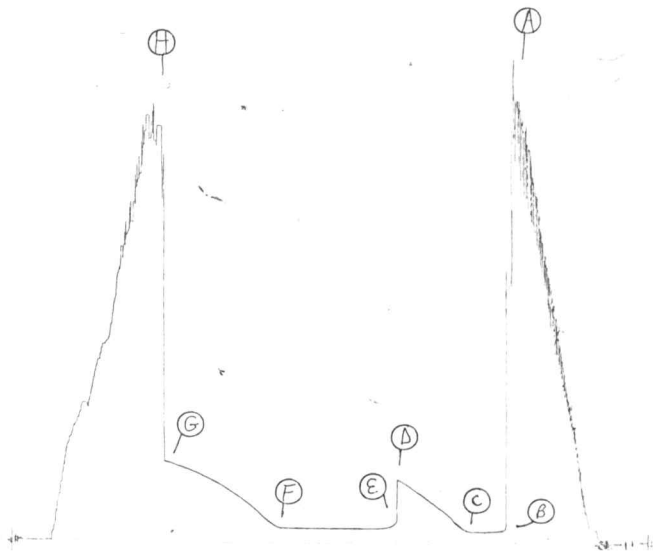
PRESSURE BREAKDOWN

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2606 VST. 11.5

TKT # 4345

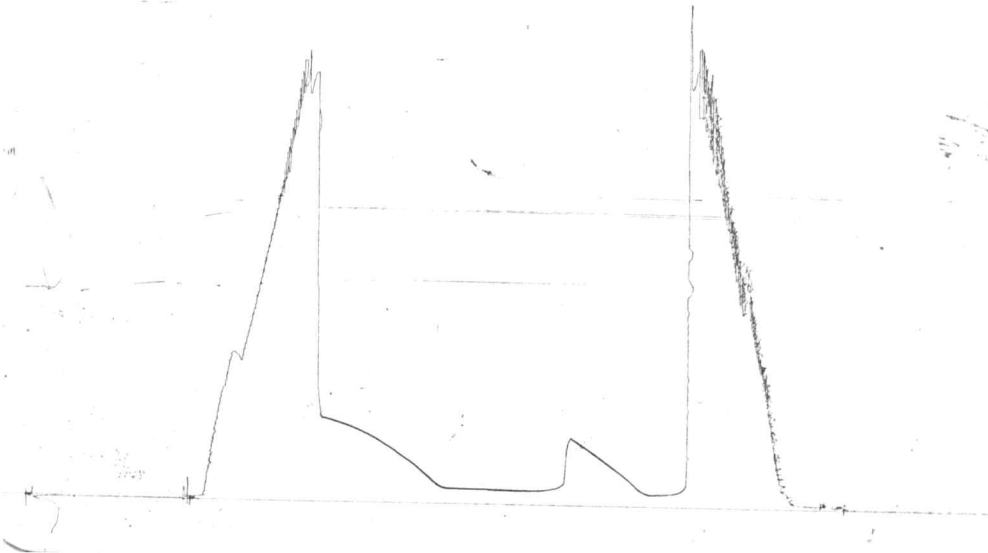
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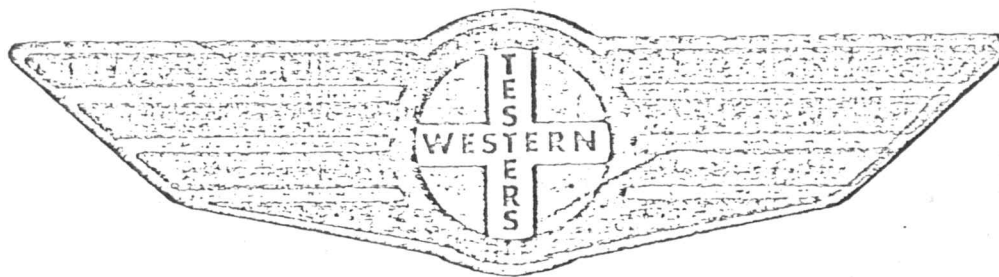
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company PICRELL DRILLING COMPANY Lease and Well No. #2 DAVIS Sec. 5 Twp. 22S Rge. 9W Test No. 7 Date 7/10/04

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4/6/84
CUSTOMER: PICKRELL DRILLING COMPANY
WELL: 2 TEST: 4
ELEVATION (KB): 1500 FORMATION: MISSISSIPPI
SECTION: 5 TOWNSHIP: 32S
RANGE: 9W COUNTY: HARPER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4377 FT TO: 4392 FT TOTAL DEPTH: 4392 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4372 FT SIZE: 6 3/4 IN PACKER DEPTH: 4377 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: PICKRELL DRLG
MUD TYPE: CHEM-DRIS VISCOSITY: 55
WEIGHT: 9.6 WATER LOSS (CC): 14.4
CHLORIDES (P.P.M.): 23000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 186 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4171 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 FH IN

BLOW: WEAK BLOW TO GOOD BLOW (5" IN WATER)
THROUGHOUT TEST.
NO GAS TO SURFACE.

RECOVERED: 620	FT	OF: GAS ABOVE FLUID.
RECOVERED: 60	FT	OF: SLIGHTLY OIL CUT WATERY MUD.
RECOVERED:	FT	OF: 2% OIL; 30% WATER; 68% MUD.
RECOVERED:	FT	OF: CHLORIDES 42000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
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REMARKS:

TIME SET PACKER(S): 5:45 PM	TIME STARTED OFF BOTTOM: 10:45 PM
WELL TEMPERATURE: 122 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2391 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 41 PSI TO (C) 41 PSI
INITIAL CLOSED IN PERIOD MIN: 57	(D) 163 PSI
FINAL FLOW PERIOD MIN: 90	(E) 52 PSI TO (F) 52 PSI
FINAL CLOSED IN PERIOD MIN: 105	(G) 227 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2313 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #4346

LEASE: DAVIS

TEST: 4

GEOLOGIST: STRONG

FORMATION: MISSISSIPPI

TOWNSHIP: 32S

COUNTY: HARPER

STATE: KANSAS

RANGE: 4150

CLOCK: 12

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TIME - GIVEN	TIME - ACTUAL
30 MIN	30 MIN

60 MIN 57 MIN

90 MIN 90 MIN

120 MIN 105 MIN

PRESSURE BREAKDOWN

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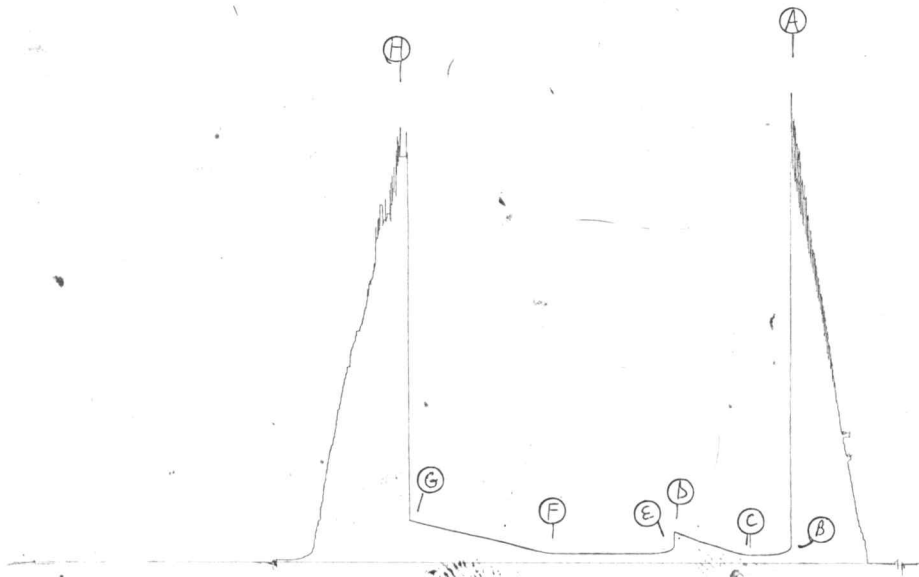
PRESSURE BREAKDOWN - CONT. TICKET #4346

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	201
32							93	206
33							96	211
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