

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11/29/84
CUSTOMER: GEAR PETROLEUM COMPANY INC.
WELL: 1-18 TEST: 1
ELEVATION (KB): 0 FORMATION: LANSING
SECTION: 18 TOWNSHIP: 30S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13552 RANGE: 4050 CLOCK: 12

INTERVAL TEST FROM: 3213 FT TO: 3240 FT TOTAL DEPTH: 3240 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3208 FT SIZE: 6 5/8 IN PACKER DEPTH: 3213 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER DRLG
MUD TYPE: STARCH VISCOSITY: 36
WEIGHT: 9.9 WATER LOSS (CC): 7.0
CHLORIDES (P.P.M.): 56000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 1093 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 2099 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 27 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 BLOW
INCREASED TO A STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 880 FT OF: GAS ABOVE FLUID.
RECOVERED: 210 FT OF: OIL & GAS CUT MUD (20% OIL).
RECOVERED: FT OF:
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RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:30 AM TIME STARTED OFF BOTTOM: 11:15 AM
WELL TEMPERATURE: 112 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1661 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 63 PSI TO (C) 67 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 961 PSI
FINAL FLOW PERIOD MIN: 45 (E) 91 PSI TO (F) 102 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 960 PSI
FINAL HYDROSTATIC PRESSURE (H) 1661 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 11/29/84
CUSTOMER: GEAR PETROLEUM COMPANY INC.
WELL: 1-18 TEST: 1
ELEVATION (KB): 0
SECTION: 18
RANGE: 2W COUNTY: SUM
GAUGE SN #13552 RANGE: 4050

TICKET #7439
LEASE: HAR-EL
GEOLOGIST: CRISLER ?
LANSING
305
STATE: KANSAS
CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	1661	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	63	PSI
(C)	FIRST FINAL FLOW PRESSURE:	67	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	961	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	91	PSI
(F)	SECOND FINAL FLOW PRESSURE:	102	PSI
(G)	FINAL CLOSED-IN PRESSURE:	960	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	1661	PSI
WELL TEMPERATURE:		112	'F
OPEN TOOL: 7:30 AM			

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	25 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	45 MIN	45 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

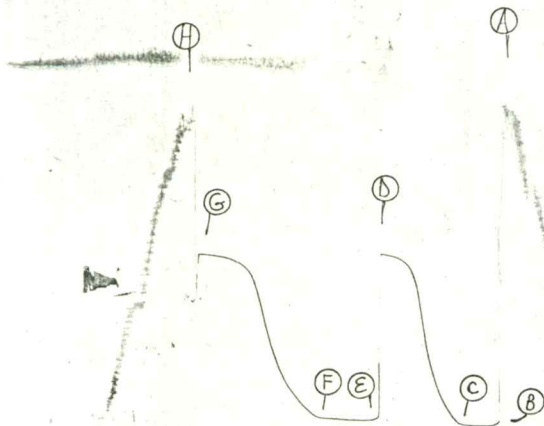
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PRESSURE BREAKDOWN - CONT. _ TICKET #7439

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
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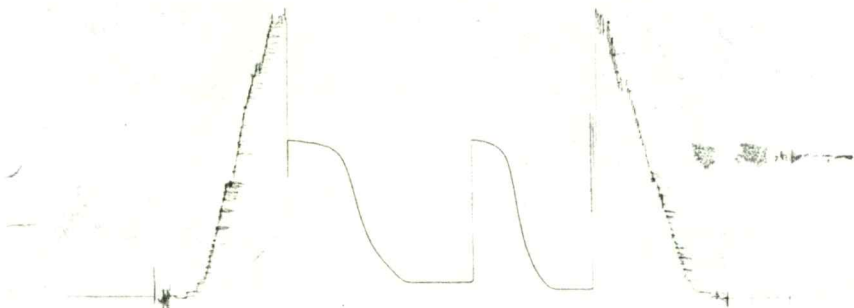
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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/2/84
CUSTOMER: GEAR PETROLEUM COMPANY INC.
WELL: 1-18 TEST: 2
ELEVATION (KB): 0
SECTION: 18
RANGE: 2W
GAUGE SN #1134

TICKET #7828
LEASE: HAR-EL
GEOLOGIST: CRISLER
FORMATION: MISSISSIPPI
TOWNSHIP: 30S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3720 FT TO: 3755 FT TOTAL DEPTH: 3755 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3715 FT SIZE: 6 3/4 IN PACKER DEPTH: 3720 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER DRLG
MUD TYPE: STARCH VISCOSITY: 43
WEIGHT: 10.1 WATER LOSS (CC): 12.8
CHLORIDES (P.P.M.): 55000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 1093 FT I.D.: 3.2 IN
DRILL PIPE LENGTH: 2607 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 35 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 INCREASING TO A
STRONG BLOW. BOTTOM OF BUCKET IN 30 MINUTES.
FINAL FLOW PERIOD STRONG BLOW.
BOTTOM OF BUCKET IN 1 MINUTE.

RECOVERED: 125	FT	OF: GASSY MUD WITH SCUM OF OIL.
RECOVERED: 868	FT	OF: GAS ABOVE FLUID.
RECOVERED:	FT	OF: CHLORIDES 46000 PPM.
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 PM
WELL TEMPERATURE: 111 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 60
FINAL FLOW PERIOD MIN: 45
FINAL CLOSED IN PERIOD MIN: 96
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 5:45 PM
(A) 1988 PSI
(B) 41 PSI TO (C) 43 PSI
(D) 310 PSI
(E) 60 PSI TO (F) 67 PSI
(G) 357 PSI
(H) 1950 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 12/2/84

CUSTOMER: GEAR PETROLEUM COMPANY INC.

TEST: 2

ELEVATION (KB): 0

FORMATION: MISSISSIPPI

COUNTY: SUMNER

RANGE: 4475

TICKET #7828

LEASE: HAR-EL

GEOLOGIST: CRISLER

FORMATION: MISSISSIPPI

TOWNSHIP: 30S

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1988 PSI

(B) FIRST INITIAL FLOW PRESSURE: 41 PSI

(C) FIRST FINAL FLOW PRESSURE: 43 PSI

(D) INITIAL CLOSED-IN PRESSURE: 310 PSI

(E) SECOND INITIAL FLOW PRESSURE: 60 PSI

(F) SECOND FINAL FLOW PRESSURE: 67 PSI

(G) FINAL CLOSED-IN PRESSURE: 357 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1950 PSI

WELL TEMPERATURE: 111 °F

OPEN TOOL: 2:00 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	45 MIN	45 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	96 MIN

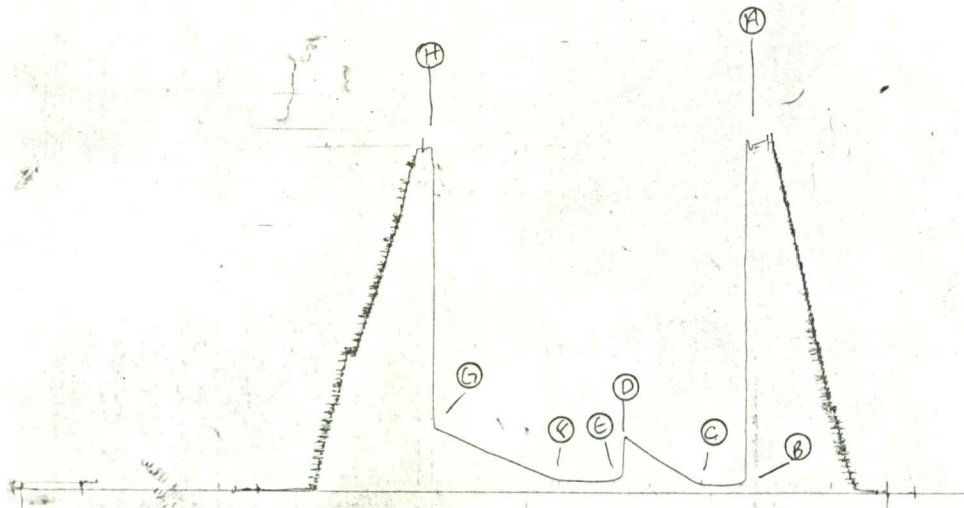
PRESSURE BREAKDOWN

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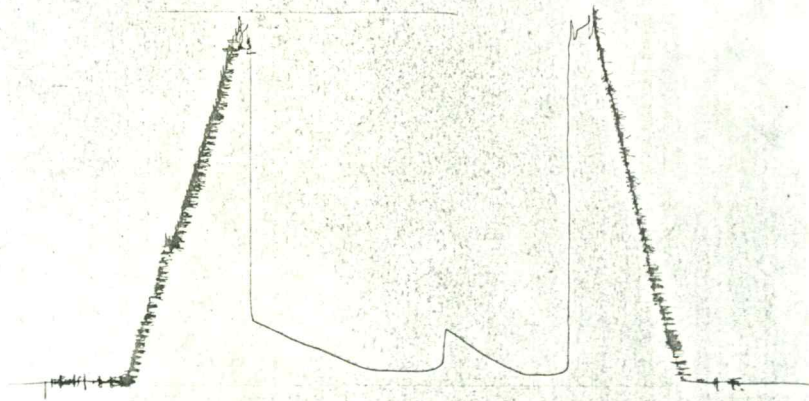


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WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/5/84
CUSTOMER: GEAR PETROLEUM COMPANY INC.
WELL: #1-18 TEST: 3
ELEVATION (KB): 1351 FORMATION: SIMPSON
SECTION: 18 TOWNSHIP: 30S
RANGE: 2W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

INTERVAL TEST FROM: 4110 FT TO: 4118 FT TOTAL DEPTH: 4118 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4105 FT SIZE: 6 3/4 IN PACKER DEPTH: 4110 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RED TIGER
MUD TYPE: STARCH VISCOSITY: 45
WEIGHT: 9.8 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 47000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 1093 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 2992 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 8 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 XH IN

BLOW: STRONG BLOW THROUGHOUT FLOW PERIODS.
GAS DRIFTED TO SURFACE ON FINAL SHUT-IN.

RECOVERED: 185	FT	OF: GASSY OIL; GRAVITY 45.
RECOVERED: 250	FT	OF: VERLY SLIGHTLY MUD CUT FROTHY OIL.
RECOVERED: 120	FT	OF: GAS CUT MUDDY WATER WITH SCUM OF OIL.
RECOVERED: 310	FT	OF: GAS CUT WATER WITH SCUM OF OIL.
RECOVERED: 250	FT	OF: SALT WATER; CHLORIDES 62000 P.P.M.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 8:00 A.M.

TIME STARTED OFF BOTTOM: 11:45 A.M.

WELL TEMPERATURE: 134 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 45

FINAL CLOSED IN PERIOD MIN: 90

FINAL HYDROSTATIC PRESSURE

(A) 2233	PSI	
(B) 51	PSI TO (C) 259	PSI
(D) 1352	PSI	
(E) 312	PSI TO (F) 502	PSI
(G) 1355	PSI	
(H) 2213	PSI	

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 12/5/84
CUSTOMER: GEAR PETROLEUM COMPANY INC.
WELL: #1-18 TEST: 3
ELEVATION (KB): 1351
SECTION: 18
RANGE: 2W COUNTY: SUM
GAUGE SN #5666 RANGE: 3950

TICKET #8018
LEASE: HAR-EL
GEOLOGIST: CRISLER
SIMPSON
305
STATE: KANSAS
CLOCK: 12

(A)	INITIAL HYDROSTATIC PRESSURE:	2233	PSI
(B)	FIRST INITIAL FLOW PRESSURE:	51	PSI
(C)	FIRST FINAL FLOW PRESSURE:	259	PSI
(D)	INITIAL CLOSED-IN PRESSURE:	1352	PSI
(E)	SECOND INITIAL FLOW PRESSURE:	312	PSI
(F)	SECOND FINAL FLOW PRESSURE:	502	PSI
(G)	FINAL CLOSED-IN PRESSURE:	1355	PSI
(H)	FINAL HYDROSTATIC PRESSURE:	2213	PSI
	WELL TEMPERATURE:	134	'F
	OPEN TOOL:	8:00 A.M.	

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	60 MIN
SECOND FLOW PRESSURE:	45 MIN	45 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	90 MIN

PRESSURE BREAKDOWN

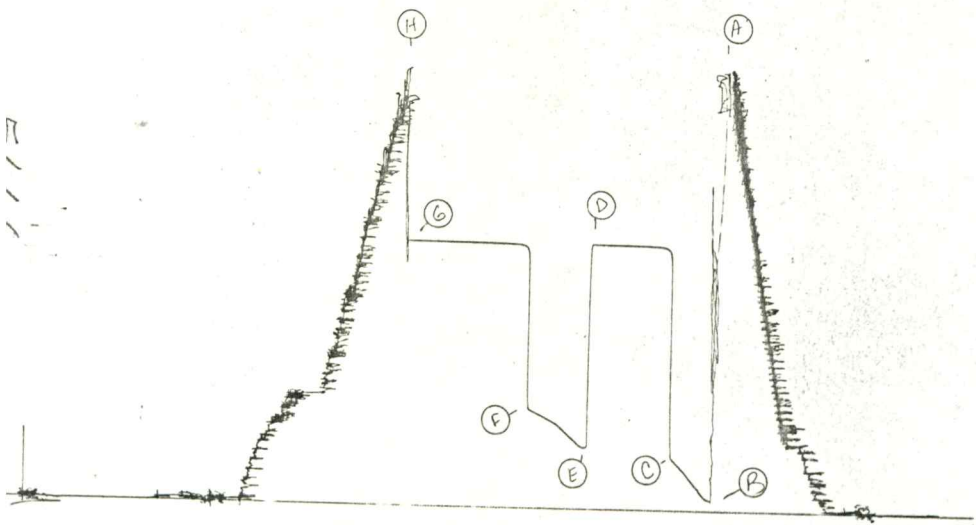
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PRESSURE BREAKDOWN - CONT. - TICKET #8018

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
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