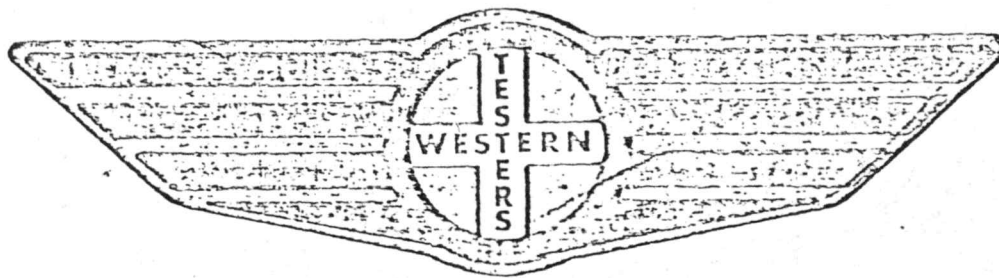


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 2/19/85
CUSTOMER: PETROLEUM ENERGY INC.
WELL: 1 TEST: 1
ELEVATION (KB): 1826 FORMATION: SIMPSON SAND
SECTION: 26 TOWNSHIP: 16S
RANGE: 10W COUNTY: ELLSWORTH STATE: KANSAS
GAUGE SN #10980 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3244 FT TO: 3281 FT TOTAL DEPTH: 3281 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3239 FT SIZE: 6 5/8 IN Packer DEPTH: 3244 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: DUKE DRLG
MUD TYPE: STARCH VISCOSITY: 37
WEIGHT: 9.8 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 61000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 155 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: 313 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 2755 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 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 STRONG BLOW.
OFF BOTTOM OF BUCKET IN 2 MINUTES.
FINAL FLOW PERIOD STRONG BLOW.
OFF BOTTOM OF BUCKET IN 5 MINUTES.

RECOVERED: 900 FT OF: OIL CUT WATER (30% OIL; 65% WATER; 5% MUD).
RECOVERED: 500 FT OF: SLIGHTLY OIL CUT WATER (5% OIL; 95% WATER).
RECOVERED: FT OF: CHLORIDES 17000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: CLOCK STOPPED ON RECORDER #3849.

TIME SET PACKER(S): 1:55 AM TIME STARTED OFF BOTTOM: 3:55 AM
WELL TEMPERATURE: 118 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1738 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 94 PSI TO (C) 427 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 780 PSI
FINAL FLOW PERIOD MIN: 30 (E) 476 PSI TO (F) 615 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 771 PSI
FINAL HYDROSTATIC PRESSURE (H) 1715 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 2/19/85

CUSTOMER: PETROLEUM ENERGY INC.

TEST: 1

FORMATION: SIMPSON SAND

TOWNSHIP: 16S

COUNTY: ELLSWORTH

RANGE: 4200

TICKET #6011

LEASE: MCFALL

GEOLOGIST: WREATH

SIMPSON SAND

165

STATE: KANSAS

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 1738 PSI

(B) FIRST INITIAL FLOW PRESSURE: 94 PSI

(C) FIRST FINAL FLOW PRESSURE: 427 PSI

(D) INITIAL CLOSED-IN PRESSURE: 780 PSI

(E) SECOND INITIAL FLOW PRESSURE: 476 PSI

(F) SECOND FINAL FLOW PRESSURE: 615 PSI

(G) FINAL CLOSED-IN PRESSURE: 771 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1715 PSI

WELL TEMPERATURE: 118 °F

OPEN TOOL: 1:55 AM

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

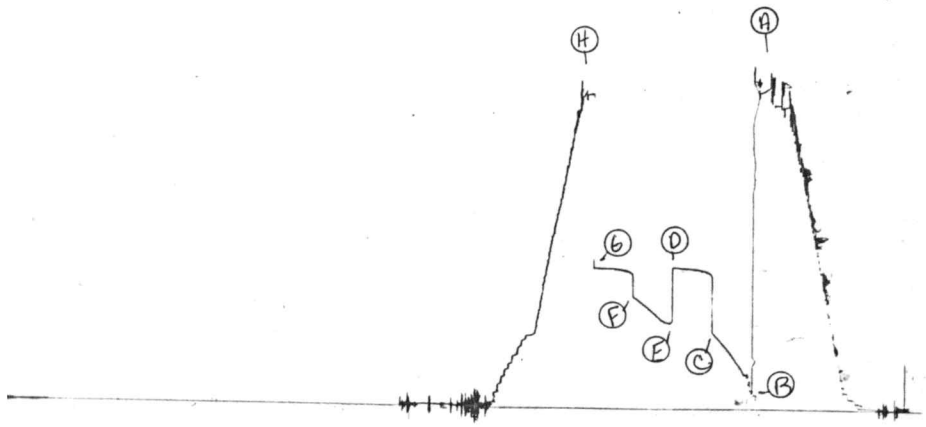
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	94	0	427	0	476	0	615
2	5	163	3	750	5	476	3	753
3	10	238	6	755	10	500	6	756
4	15	293	9	760	15	536	9	759
5	20	341	12	765	20	562	12	762
6	25	384	15	769	25	592	15	765
7	30	427	18	772	30	615	18	767
8			21	774			21	768
9			24	776			24	769
10			27	778			27	770
11			30	780			30	771

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