

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 10/28/83  
CUSTOMER: PETROLEUM INC.  
WELL: 1  
ELEVATION (KB): 2164  
SECTION: 9  
RANGE: 20W  
GAUGE SN #6074

TEST: 1  
FORMATION: REAGAN  
TOWNSHIP: 6S  
COUNTY: ROOKS  
RANGE: 5100

TICKET #1520  
LEASE: STEELE TRUST  
GEOLOGIST: JAMES REEVES  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 3627 FT TO: 3634 FT TOTAL DEPTH: 3634 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3622 FT SIZE: 6 5/8 IN PACKER DEPTH: 3627 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: D.N.B.#2  
MUD TYPE: CHEM VISCOSITY: 53  
WEIGHT: 9.6 WATER LOSS (CC): 3.2  
CHLORIDES (P.P.M.): 1000

JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 503 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3098 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 26 FT TOOL SIZE: 4 3/4 O.D. IN  
ANCHOR LENGTH: 7 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: INITIAL FLOW PERIOD WEAK DECREASING BLOW.  
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 5 FT OF: MUD; CHLORIDES 2000 P.P.M.  
RECOVERED: FT OF:  
RECOVERED: FT OF:

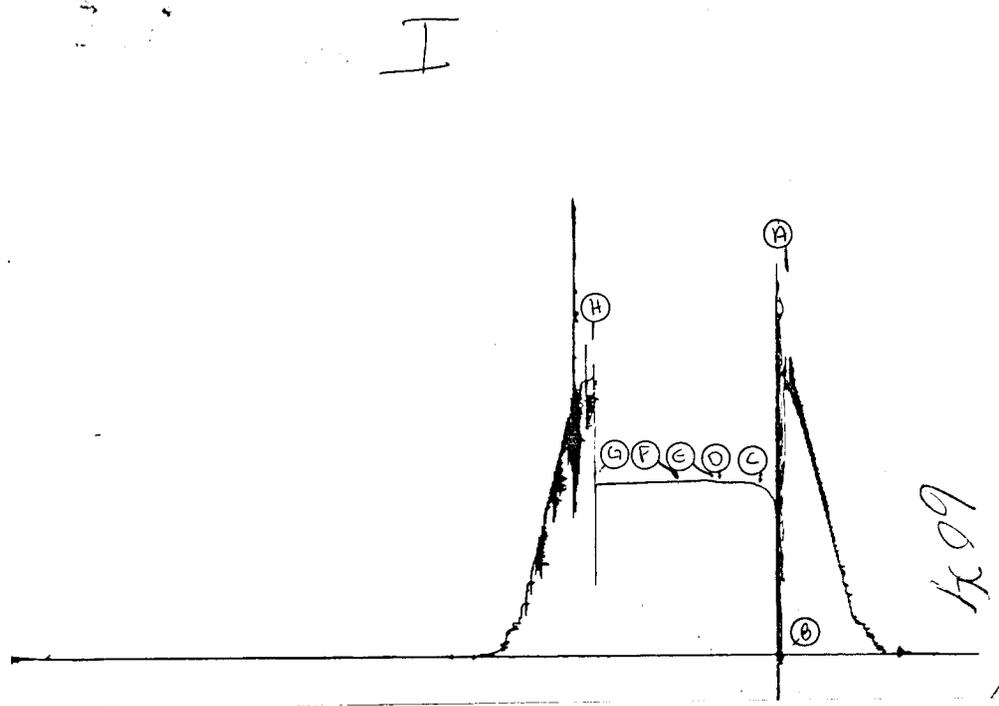
REMARKS: TOOL SLIDE 2' TO BOTTOM.  
TOOL PLUGGED.

TIME SET PACKER(S): 1:25 A.M. TIME STARTED OFF BOTTOM: 3:40 A.M.  
WELL TEMPERATURE: 0 'F  
INITIAL HYDROSTATIC PRESSURE: (A) 1798 PSI  
INITIAL FLOW PERIOD MIN: 15 (B) 0 PSI TO (C) 1115 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1144 PSI  
FINAL FLOW PERIOD MIN: 30 (E) 1135 PSI TO (F) 1135 PSI  
FINAL CLOSED IN PERIOD MIN: 63 (G) 1135 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1798 PSI

15-1632-44, 200  
AP)  
9-63-200  
SW-NW-NW



TKC# 1520 15/20 6



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	-	1798	PSI
(B) First Initial Flow Pressure .....	-	0	PSI
(C) First Final Flow Pressure .....	-	1115	PSI
(D) Initial Closed-in Pressure .....	-	1114	PSI
(E) Second Initial Flow Pressure .....	-	1135	PSI
(F) Second Final Flow Pressure .....	-	1135	PSI
(G) Final Closed-in Pressure .....	-	1135	PSI
(H) Final Hydrostatic Mud .....	-	1798	PSI

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 10/29/83 TICKET #1521  
CUSTOMER: PETROLEUM INC. LEASE: STEELE TRUST  
WELL: 1 TEST: 2 GEOLOGIST: JAMES REEVES  
ELEVATION (KB): 2164 FORMATION: REAGAN  
SECTION: 9 TOWNSHIP: 6S  
RANGE: 20W COUNTY: ROOKS STATE: KANSAS  
GAUGE SN #1565 RANGE: 4900 CLOCK: 12

INTERVAL TEST FROM: 3628 FT TO: 3639 FT TOTAL DEPTH: 3639 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3623 FT SIZE: 6 5/8 IN PACKER DEPTH: 3628 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: D.N.B. #2  
MUD TYPE: CHEM VISCOSITY: 52  
WEIGHT: 9.6 WATER LOSS (CC): 4.0  
CHLORIDES (P.P.M.): 1500  
JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?  
DRILL COLLAR LENGTH: 503 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3099 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 26 FT TOOL SIZE: 4 3/4 O.D. IN  
ANCHOR LENGTH: 11 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

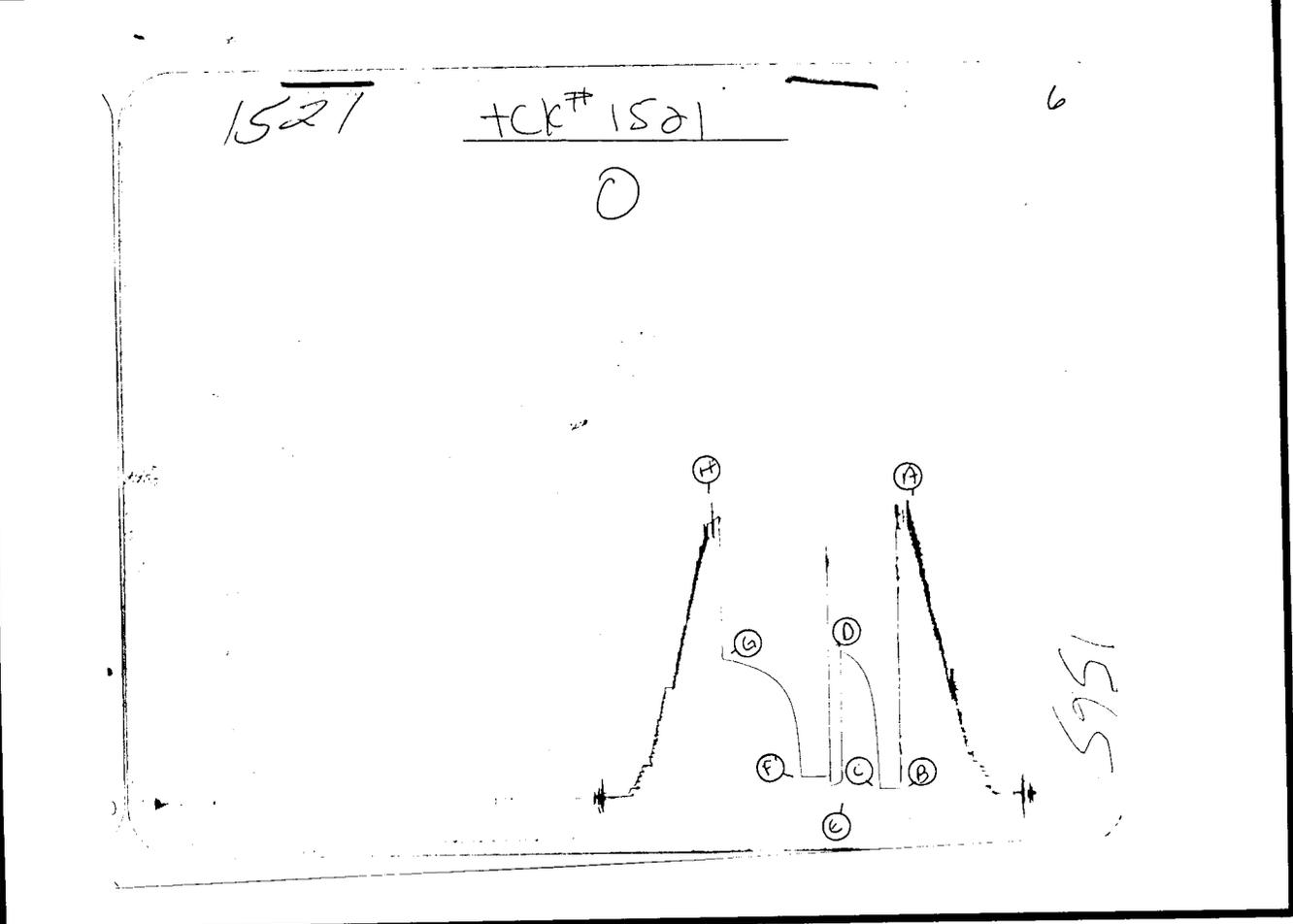
BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW.  
FINAL FLOW PERIOD NO BLOW; FLUSHED TOOL  
WEAK BLOW; DIED IN 5 MINUTES.

RECOVERED: 140 FT OF: MUD  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: PACKER DID NOT HOLD 1ST TIME; RESET  
PACKERS HELD; LOST 10' OF MUD DOWN HOLE.  
FLUSHED TOOL.

TIME SET PACKER(S): 11:53 A.M. TIME STARTED OFF BOTTOM: 2:15 P.M.  
WELL TEMPERATURE: 110 °F  
INITIAL HYDROSTATIC PRESSURE: (A) 1858 PSI  
INITIAL FLOW PERIOD MIN: 15 (B) 42 PSI TO (C) 48 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 958 PSI  
FINAL FLOW PERIOD MIN: 30 (E) 67 PSI TO (F) 129 PSI  
FINAL CLOSED IN PERIOD MIN: 60 (G) 909 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1833 PSI





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1992	1858	PSI
(B) First Initial Flow Pressure .....	25	42	PSI
(C) First Final Flow Pressure .....	25	48	PSI
(D) Initial Closed-in Pressure .....	959	958	PSI
(E) Second Initial Flow Pressure .....	51	67	PSI
(F) Second Final Flow Pressure .....	115	129	PSI
(G) Final Closed-in Pressure .....	920	909	PSI
(H) Final Hydrostatic Mud .....	1928	1833	PSI

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 10/29/83  
CUSTOMER: PETROLEUM INC.  
WELL: 1  
ELEVATION (KB): 0  
SECTION: 9  
RANGE: 20W  
GAUGE SN #6074

TEST: 3  
FORMATION:  
TOWNSHIP: 6S  
COUNTY: ROOKS  
RANGE: 5100

TICKET #1522  
LEASE: STEELE TRUST  
GEOLOGIST: J. REEVES  
STATE: KANSAS  
CLOCK: 12

INTERVAL TEST FROM: 3477 FT TO: 3491 FT TOTAL DEPTH: 3654 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 3477 FT SIZE: 6 5/8 IN PACKER DEPTH: 3491 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: D.N.B.#2

MUD TYPE: CHEM VISCOSITY: 52  
WEIGHT: 9.6 WATER LOSS (CC): 4.0  
CHLORIDES (P.P.M.): 11500

JARS - MAKE: SERIAL NUMBER:  
DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: 503 FT I.D.: 2.25 IN  
WEIGHT PIPE LENGTH: FT I.D.: IN  
DRILL PIPE LENGTH: 3116 FT I.D.: 3.8 IN  
TEST TOOL LENGTH: 21 FT TOOL SIZE: 4 3/4 O.D. IN  
ANCHOR LENGTH: 14 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: INITIAL FLOW PERIOD WEAK INCREASING  
BLOW. 3" IN BUCKET.  
FINAL FLOW PERIOD WEAK INCREASING BLOW.  
1/2" IN BUCKET.

RECOVERED: 210 FT OF: SLIGHTLY OIL CUT WATERY MUD  
RECOVERED: FT OF: 3% OIL;50% MUD;47% WATER.  
RECOVERED: FT OF: CHLORIDES 27000 P.P.M.  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS: BOTTOM PACKER DID NOT HOLD.  
CLOCK STOPPED ON RECORDER 1565.

TIME SET PACKER(S): 4:15 A.M.

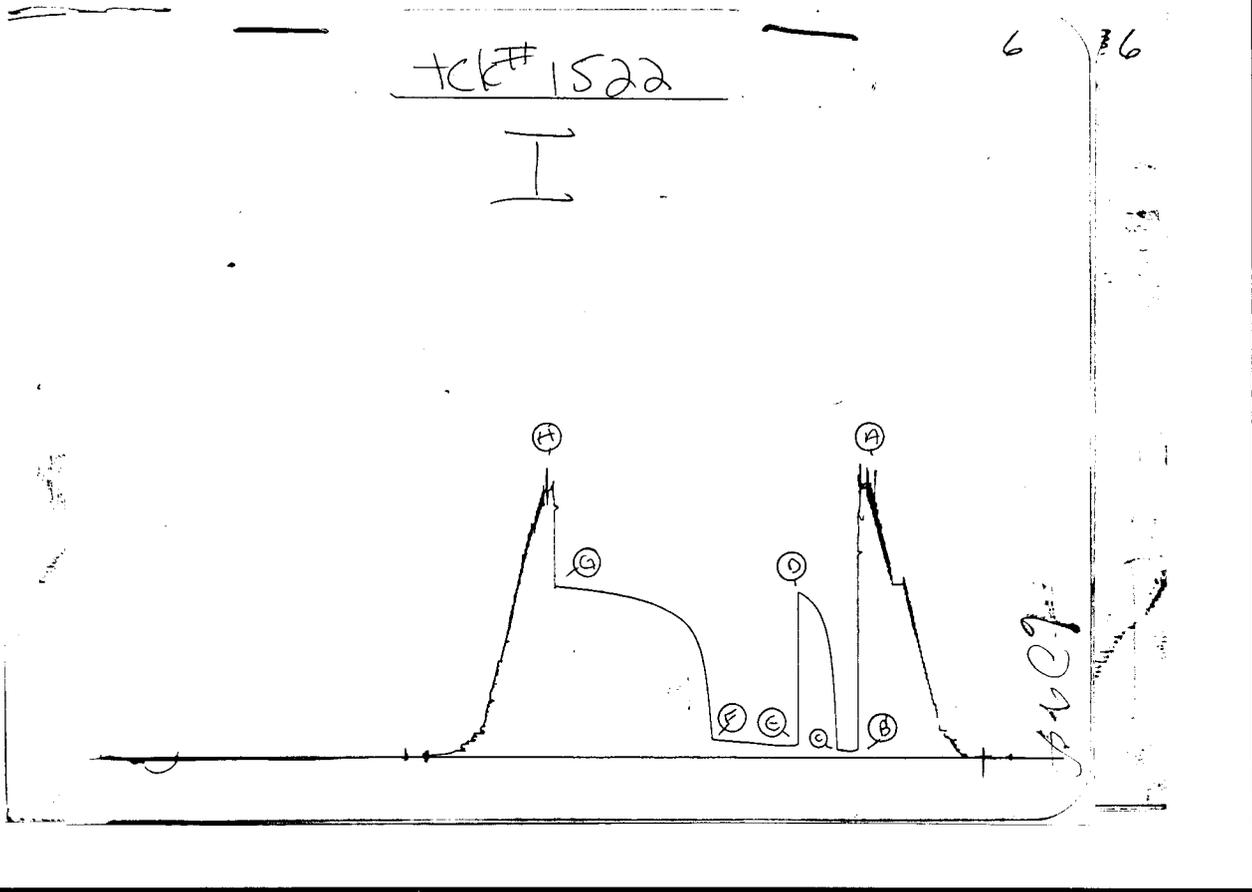
TIME STARTED OFF BOTTOM: 8:00 A.M.

WELL TEMPERATURE: 108 °F

INITIAL HYDROSTATIC PRESSURE: (A) 1816 PSI  
INITIAL FLOW PERIOD MIN: 15 (B) 44 PSI TO (C) 50 PSI  
INITIAL CLOSED IN PERIOD MIN: 30 (D) 1097 PSI  
FINAL FLOW PERIOD MIN: 65 (E) 76 PSI TO (F) 117 PSI  
FINAL CLOSED IN PERIOD MIN: 117 (G) 1132 PSI  
FINAL HYDROSTATIC PRESSURE (H) 1765 PSI







This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1801	1816	PSI
(B) First Initial Flow Pressure	51	44	PSI
(C) First Final Flow Pressure	51	50	PSI
(D) Initial Closed-in Pressure	1099	1097	PSI
(E) Second Initial Flow Pressure	76	76	PSI
(F) Second Final Flow Pressure	115	117	PSI
(G) Final Closed-in Pressure	1125	1132	PSI
(H) Final Hydrostatic Mud	1762	1765	PSI

tick# 1522  
Below Straddle

#6

