

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/15/83
CUSTOMER: J.A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 1
COUNTY: STAFFORD
RANGE: 4225

TICKET #19047
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3578 FT TO: 3610 FT TOTAL DEPTH: 3610 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3573 FT SIZE: 6 5/8 IN PACKER DEPTH: 3578 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRILLING
MUD TYPE: STARCH VISCOSITY: 47
WEIGHT: 9.6 WATER LOSS (CC): 12.2
CHLORIDES (P.P.M.): 31000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3557 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 32 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 THROUGHOUT TEST.
GAS TO SURFACE IN 2 MINUTES ON PREFLOW.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 55	FT	OF: GAS CUT MUD
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:

TIME SET PACKER(S): 2:30 AM
WELL TEMPERATURE: 114 °F

TIME STARTED OFF BOTTOM: 5:45 AM

INITIAL HYDROSTATIC PRESSURE:	(A) 1911	PSI	
INITIAL FLOW PERIOD MIN: 30	(B) 199	PSI TO (C) 216	PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 1342	PSI	
FINAL FLOW PERIOD MIN: 60	(E) 198	PSI TO (F) 216	PSI
FINAL CLOSED IN PERIOD MIN: 63	(G) 1331	PSI	
FINAL HYDROSTATIC PRESSURE	(H) 1844	PSI	

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8/15/83
CUSTOMER: J.A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 1

COUNTY: STAFFORD
RANGE: 4225

TICKET #19047
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

5	MERLA	1 1/2	3.5 PSIG	709000 CFPD
10			6 PSIG	953000 CFPD
20			6 PSIG	953000 CFPD
30			6 PSIG	953000 CFPD

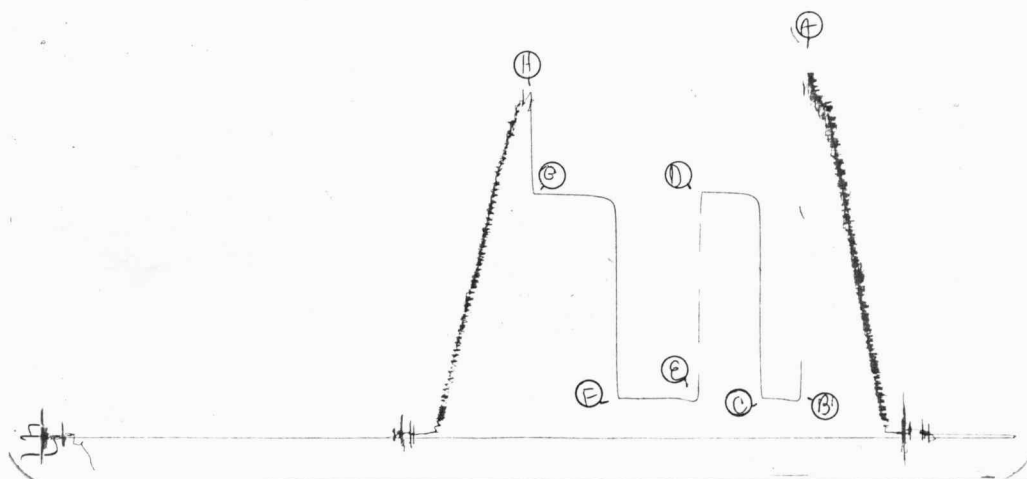
SECOND FLOW

5	MERLA	1 1/2	5 PSIG	863000 CFPD
10			6 PSIG	953000 CFPD
20			6 PSIG	953000 CFPD
30			6 PSIG	953000 CFPD
40			6 PSIG	953000 CFPD
50			6 PSIG	953000 CFPD
60			6 PSIG	953000 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

TKT # 19047

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1903	1911	PSI
(B) First Initial Flow Pressure	201	199	PSI
(C) First Final Flow Pressure	222	216	PSI
(D) Initial Closed-in Pressure	1336	1342	PSI
(E) Second Initial Flow Pressure	201	198	PSI
(F) Second Final Flow Pressure	222	216	PSI
(G) Final Closed-in Pressure	1336	1331	PSI
(H) Final Hydrostatic Mud	1882	1844	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/15/83
CUSTOMER: J. A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 2
FORMATION: KANSAS CITY
TOWNSHIP: 24S
COUNTY: STAFFORD
RANGE: 4225

TICKET #19048
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3610 FT TO: 3626 FT TOTAL DEPTH: 3626 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3605 FT SIZE: 6 5/8 IN PACKER DEPTH: 3610 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B
MUD TYPE: STARCH
WEIGHT: 9.6
CHLORIDES (P.P.M.): 36000
JARS - MAKE:
DID WELL FLOW? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3589 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 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

VISCOSITY: 42
WATER LOSS (CC): 12.2
SERIAL NUMBER:
REVERSED OUT? NO

BLOW: INITIAL FLOW PERIOD WEAK BLOW
THROUGHOUT.
FINAL FLOW PERIOD STRONG BLOW-
DECREASED TO FAIR BLOW.

RECOVERED: 180	FT	OF: GAS IN PIPE
RECOVERED: 50	FT	OF: SLIGHTLY OIL & GAS CUT MUD
RECOVERED: 60	FT	OF: OIL & GAS CUT WATERY MUD
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 2:15 PM	TIME STARTED OFF BOTTOM: 5:30 PM
WELL TEMPERATURE: 114 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 1945 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 40 PSI TO (C) 41 PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 560 PSI
FINAL FLOW PERIOD MIN: 60	(E) 49 PSI TO (F) 53 PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 845 PSI
FINAL HYDROSTATIC PRESSURE	(H) 1900 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8/15/83
CUSTOMER: J. A. ALLISON
CELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
AUGUE SN #13547

TEST: 2

TICKET #19048
LEASE: CLOWERS
GEOLOGIST: MCCANN
KANSAS CITY
245
STATE: KANSAS
CLOCK: 12

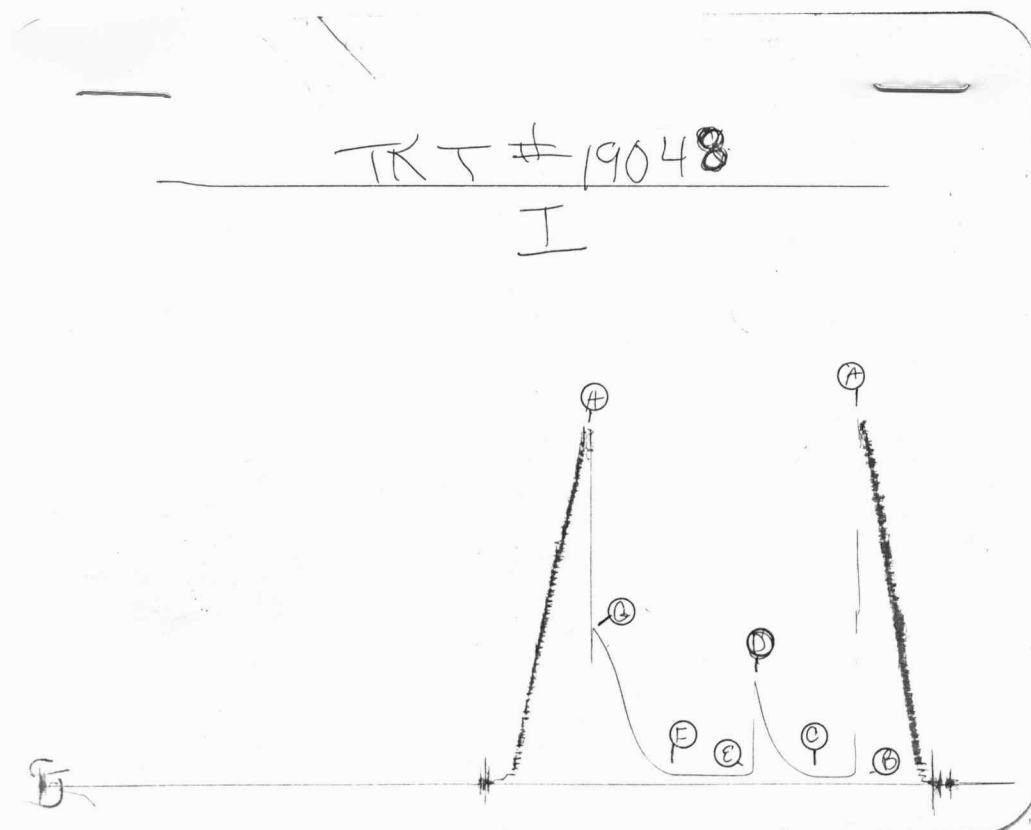
A)	INITIAL HYDROSTATIC PRESSURE:	1945	PSI
B)	FIRST INITIAL FLOW PRESSURE:	40	PSI
C)	FIRST FINAL FLOW PRESSURE:	41	PSI
D)	INITIAL CLOSED-IN PRESSURE:	560	PSI
E)	SECOND INITIAL FLOW PRESSURE:	49	PSI
F)	SECOND FINAL FLOW PRESSURE:	53	PSI
G)	FINAL CLOSED-IN PRESSURE:	845	PSI
H)	FINAL HYDROSTATIC PRESSURE:	1900	PSI
ELL TEMPERATURE:		114	'F
PEN TOOL: 2:15 PM			

	TIME - GIVEN	TIME - ACTUAL
IRST FLOW PRESSURE:	30 MIN	30 MIN
NITIAL CLOSED-IN PRESSURE:	45 MIN	45 MIN
ECOND FLOW PRESSURE:	60 MIN	60 MIN
INAL CLOSED-IN PRESSURE:	60 MIN	60 MIN

PRESSURE BREAKDOWN

[illegible]

22
23
24
25
26
27
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29
30



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1913	1945	PSI
(B) First Initial Flow Pressure	42	40	PSI
(C) First Final Flow Pressure	42	41	PSI
(D) Initial Closed-in Pressure	561	560	PSI
(E) Second Initial Flow Pressure	52	49	PSI
(F) Second Final Flow Pressure	63	53	PSI
(G) Final Closed-in Pressure	839	845	PSI
(H) Final Hydrostatic Mud	1892	1900	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/16/83
CUSTOMER: J.A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 3

FORMATION: KANSAS CITY
TOWNSHIP: 24S

COUNTY: STAFFORD
RANGE: 4225

TICKET #19049
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3636 FT TO: 3660 FT TOTAL DEPTH: 3660 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3631 FT SIZE: 6 5/8 IN PACKER DEPTH: 3636 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRILLING
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 9.6 WATER LOSS (CC): 12.2
CHLORIDES (P.P.M.): 36000

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: 3515 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 24 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 THROUGHOUT FLOW PERIODS.

RECOVERED: 45	FT	OF: OIL AND GAS CUT MUD
RECOVERED: 62	FT	OF: SLIGHTLY OIL CUT MUDDY WATER.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

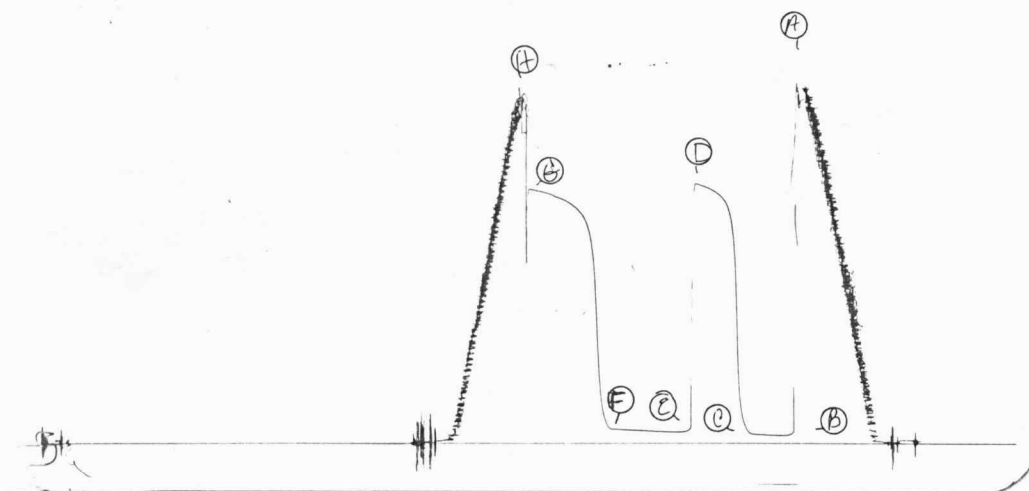
REMARKS:

TIME SET PACKER(S): 3:40 AM
WELL TEMPERATURE: 115 °F

TIME STARTED OFF BOTTOM: 6:55 AM

INITIAL HYDROSTATIC PRESSURE:	(A) 1868	PSI	
INITIAL FLOW PERIOD MIN: 30	(B) 44	PSI TO (C) 50	PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 1420	PSI	
FINAL FLOW PERIOD MIN: 60	(E) 64	PSI TO (F) 80	PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 1389	PSI	
FINAL HYDROSTATIC PRESSURE	(H) 1858	PSI	

TKT # 19049
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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1924	1868	PSI
(B) First Initial Flow Pressure	42	44	PSI
(C) First Final Flow Pressure	52	50	PSI
(D) Initial Closed-in Pressure	1420	1420	PSI
(E) Second Initial Flow Pressure	63	64	PSI
(F) Second Final Flow Pressure	73	80	PSI
(G) Final Closed-in Pressure	1378	1389	PSI
(H) Final Hydrostatic Mud	1903	1858	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/16/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 4
COUNTY: STAFFORD
RANGE: 4225

TICKET #1801
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3697 FT TO: 3717 FT TOTAL DEPTH: 3717 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3692 FT SIZE: 6 5/8 IN PACKER DEPTH: 3697 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRLG
MUD TYPE: STARCH VISCOSITY: 41
WEIGHT: 9.6 WATER LOSS (CC): 14.2
CHLORIDES (P.P.M.): 43000
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: 3676 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 20 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

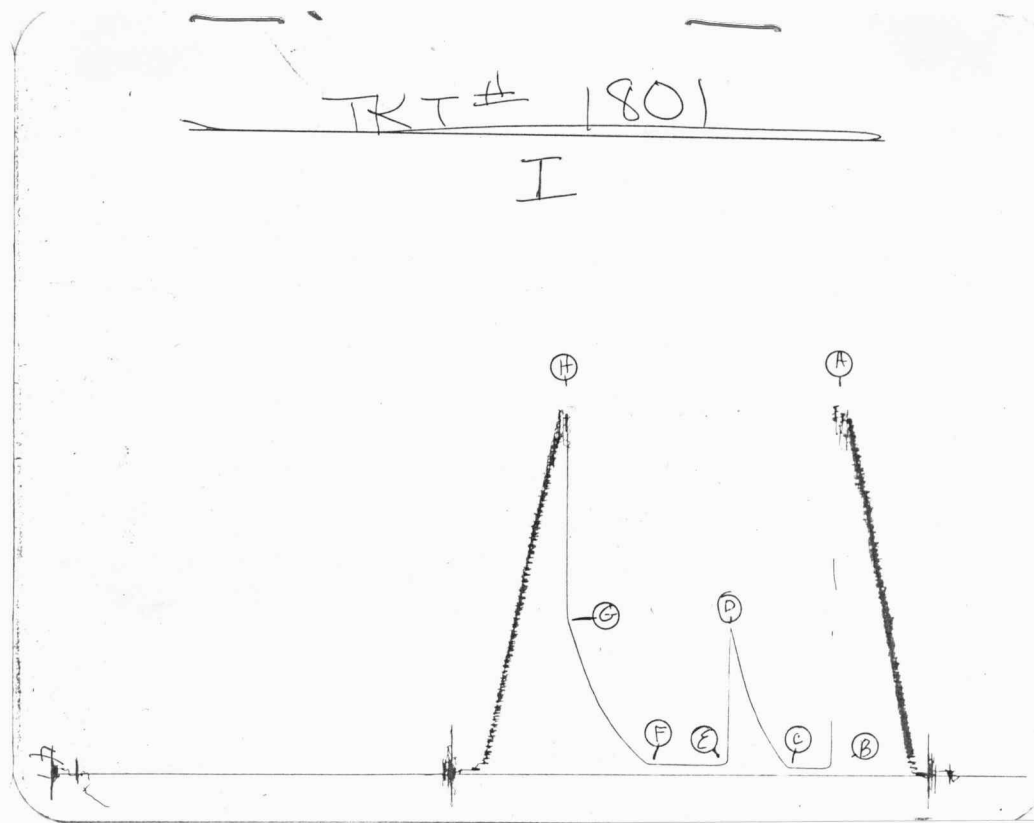
BLOW: INITIAL FLOW PERIOD WEAK INCREASED
TO STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 620	FT	OF: GAS IN PIPE.
RECOVERED: 50	FT	OF: HEAVY OIL & GAS CUT. 25% OIL; 25% WATER.
RECOVERED: 62	FT	OF: HEAVY GAS & MUD CUT OIL. 30% OIL; 20% WATER.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 6:00 PM
WELL TEMPERATURE: 116 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 45
FINAL FLOW PERIOD MIN: 60
FINAL CLOSED IN PERIOD MIN: 60
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 9:15 PM
(A) 1926 PSI
(B) 38 PSI TO (C) 41 PSI
(D) 803 PSI
(E) 52 PSI TO (F) 59 PSI
(G) 826 PSI
(H) 1915 PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1924	1926	PSI
(B) First Initial Flow Pressure	42	38	PSI
(C) First Final Flow Pressure	42	41	PSI
(D) Initial Closed-in Pressure	807	803	PSI
(E) Second Initial Flow Pressure	52	52	PSI
(F) Second Final Flow Pressure	63	59	PSI
(G) Final Closed-in Pressure	829	826	PSI
(H) Final Hydrostatic Mud	1913	1915	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/17/83
CUSTOMER: J.A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 5
FORMATION: KANSAS CITY
TOWNSHIP: 24S
COUNTY: STAFFORD
RANGE: 4225

TICKET #1802
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3716 FT TO: 3741 FT TOTAL DEPTH: 3741 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3711 FT SIZE: 6 5/8 IN PACKER DEPTH: 3716 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B DRILLING
MUD TYPE: STARCH VISCOSITY: 41
WEIGHT: 9.6 WATER LOSS (CC): 14.2
CHLORIDES (P.P.M.): 43000 PPM

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:	3695 FT	I.D.:	3.8 IN
TEST TOOL LENGTH:	21 FT	TOOL SIZE:	5 1/2 OD IN
ANCHOR LENGTH:	25 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 INCREASED
TO STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW.

RECOVERED: 30	FT	OF: OIL AND GAS CUT MUD.
RECOVERED: 62	FT	OF: HEAVY OIL AND GAS CUT MUD
RECOVERED: 124	FT	OF: FROGGY OIL
RECOVERED: 3100	FT	OF: GAS IN PIPE.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

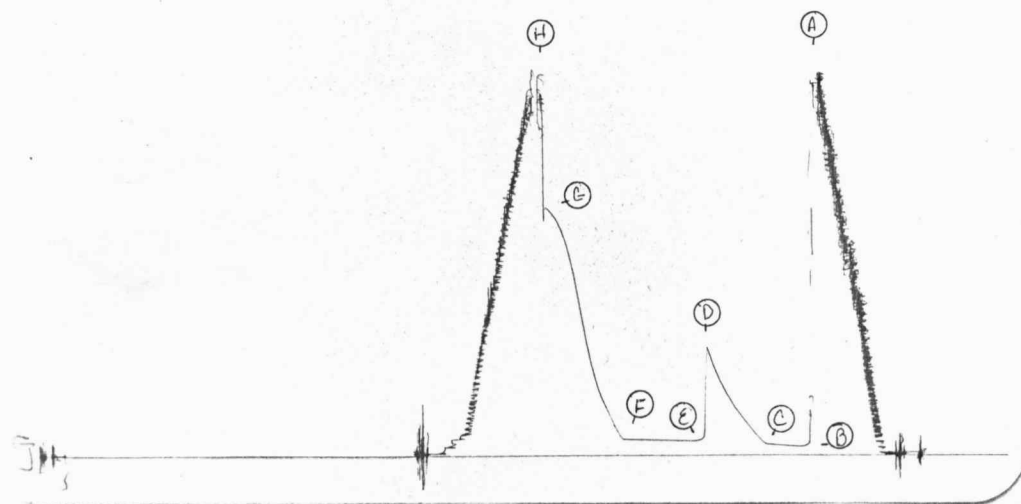
REMARKS:

TIME SET PACKER(S): 6:50 AM
WELL TEMPERATURE: 116 °F

TIME STARTED OFF BOTTOM: 10:05 AM

INITIAL HYDROSTATIC PRESSURE:	(A) 2002	PSI
INITIAL FLOW PERIOD MIN: 30	(B) 44	PSI TO (C) 58 PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 582	PSI
FINAL FLOW PERIOD MIN: 60	(E) 77	PSI TO (F) 89 PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 1336	PSI
FINAL HYDROSTATIC PRESSURE	(H) 1968	PSI

TKT # 1802
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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1987	2002	PSI
(B) First Initial Flow Pressure	52	44	PSI
(C) First Final Flow Pressure	63	58	PSI
(D) Initial Closed-in Pressure	583	582	PSI
(E) Second Initial Flow Pressure	84	77	PSI
(F) Second Final Flow Pressure	95	89	PSI
(G) Final Closed-in Pressure	1336	1336	PSI
(H) Final Hydrostatic Mud	1966	1968	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/17/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 6

FORMATION: KANSAS CITY
TOWNSHIP: 24S

COUNTY: STAFFORD
RANGE: 4225

TICKET #19050
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3765 FT TO: 3788 FT TOTAL DEPTH: 3788 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3760 FT SIZE: 6 5/8 IN PACKER DEPTH: 3765 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B

MUD TYPE: STARCH

VISCOSITY: 45

WEIGHT: 9.6

WATER LOSS (CC): 12.2

CHLORIDES (P.P.M.): 45000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? YES

REVERSED OUT? NO

DRILL COLLAR LENGTH:

FT I.D.: IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 3744

FT I.D.: 3.8 IN

TEST TOOL LENGTH: 21

FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 23

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 THROUGHOUT TEST.

GAS TO SURFACE IN 10 MINUTES ON PREFLOW.

RECOVERED: 588	FT	OF: GASSY OIL	GRAVITY 35
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: SEE ATTACHED SHEET FOR GAS MEASUREMENT.

TIME SET PACKER(S): 10:05 PM

TIME STARTED OFF BOTTOM: 1:20 AM

WELL TEMPERATURE: 116 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1986 PSI

INITIAL FLOW PERIOD

MIN: 30

(B) 76

PSI TO (C) 117 PSI

INITIAL CLOSED IN PERIOD

MIN: 42

(D) 1458

PSI

FINAL FLOW PERIOD

MIN: 60

(E) 144

PSI TO (F) 244 PSI

FINAL CLOSED IN PERIOD

MIN: 60

(G) 1438

PSI

FINAL HYDROSTATIC PRESSURE

(H) 1952

PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8/17/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 6

COUNTY: STAFFORD
RANGE: 4225

TICKET #19050
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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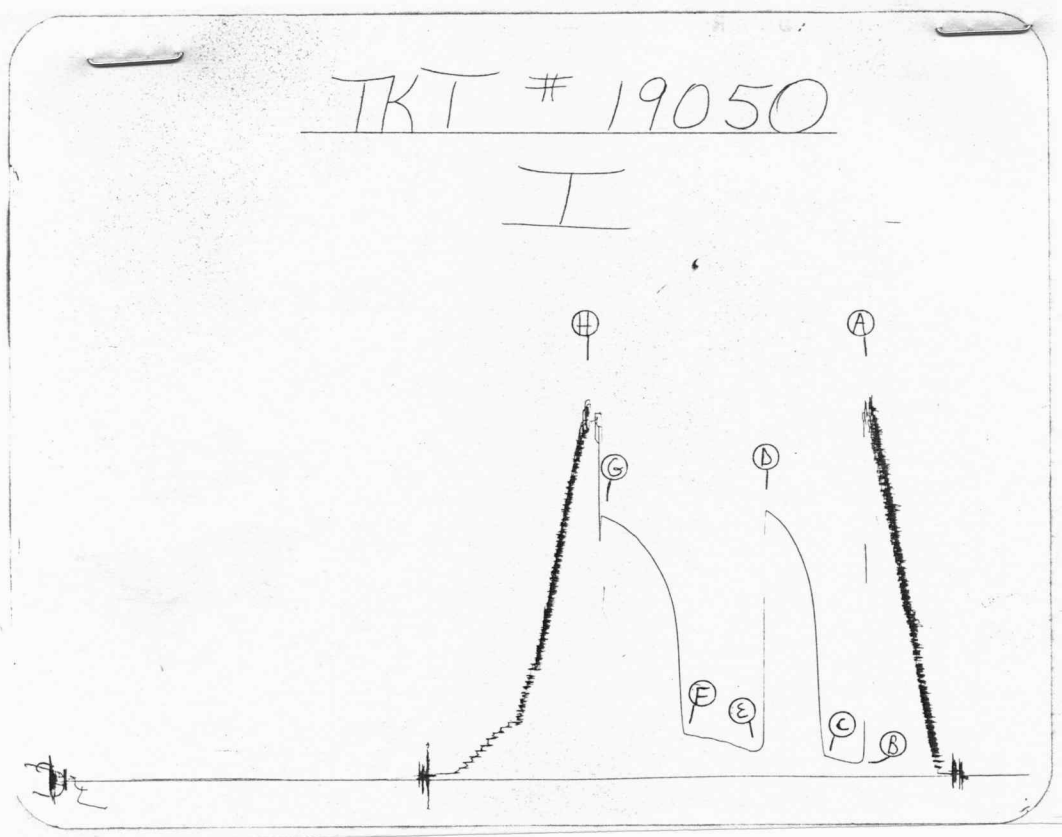
PRE FLOW

10				GAS TO SURFACE
15	MERLA	3/4	10" WTR	44800 CFPD
20		3/4	8" WTR	40000 CFPD
30		3/4	6" WTR	34700 CFPD

SECOND FLOW

5	MERLA	3/4	11" WTR	47200 CFPD
10		3/4	8" WTR	40000 CFPD
20		3/4	3" WTR	24500 CFPD
30		1/4	36" WTR	10100 CFPD
40		1/4	22" WTR	7880 CFPD
50		1/4	14" WTR	6330 CFPD
60		1/4	12" WTR	5860 CFPD

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 8/17/83



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1997	1986	PSI
(B) First Initial Flow Pressure	74	76	PSI
(C) First Final Flow Pressure	116	117	PSI
(D) Initial Closed-in Pressure	1451	1458	PSI
(E) Second Initial Flow Pressure	137	144	PSI
(F) Second Final Flow Pressure	233	244	PSI
(G) Final Closed-in Pressure	1441	1438	PSI
(H) Final Hydrostatic Mud	1976	1952	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/18/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 7
COUNTY: STAFFORD
RANGE: 4225

TICKET #1803
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3800 FT TO: 3830 FT TOTAL DEPTH: 3830 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3795 FT SIZE: 6 5/8 IN PACKER DEPTH: 3800 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B

MUD TYPE: STARCH VISCOSITY: 45
WEIGHT: 9.6 WATER LOSS (CC): 12.2
CHLORIDES (P.P.M.): 45000

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

DRILL COLLAR LENGTH:	FT	I.D.:	IN
WEIGHT PIPE LENGTH:	FT	I.D.:	IN
DRILL PIPE LENGTH:	3779 FT	I.D.:	3.8 IN
TEST TOOL LENGTH:	21 FT	TOOL SIZE:	5 1/2 OD IN
ANCHOR LENGTH:	30 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 THROUGHOUT TEST.
GAS TO SURFACE IN 4 MINUTES ON PREFLOW.
SEE ATTACHED GAS SHEET.

RECOVERED:	2260 FT	OF:	CLEAN GASSY OIL	GRAVITY 30
RECOVERED:	370 FT	OF:	FROGGY OIL	
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): 12:30 PM
WELL TEMPERATURE: 117 °F

TIME STARTED OFF BOTTOM: 3:45 PM

INITIAL HYDROSTATIC PRESSURE:	(A) 1980	PSI		
INITIAL FLOW PERIOD	MIN: 30	(B) 153	PSI TO (C) 305	PSI
INITIAL CLOSED IN PERIOD	MIN: 45	(D) 1383	PSI	
FINAL FLOW PERIOD	MIN: 60	(E) 367	PSI TO (F) 660	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1362	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1966	PSI	

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8/18/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 7
COUNTY: STAFFORD
RANGE: 4225

TICKET #1803
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: KANSAS CITY
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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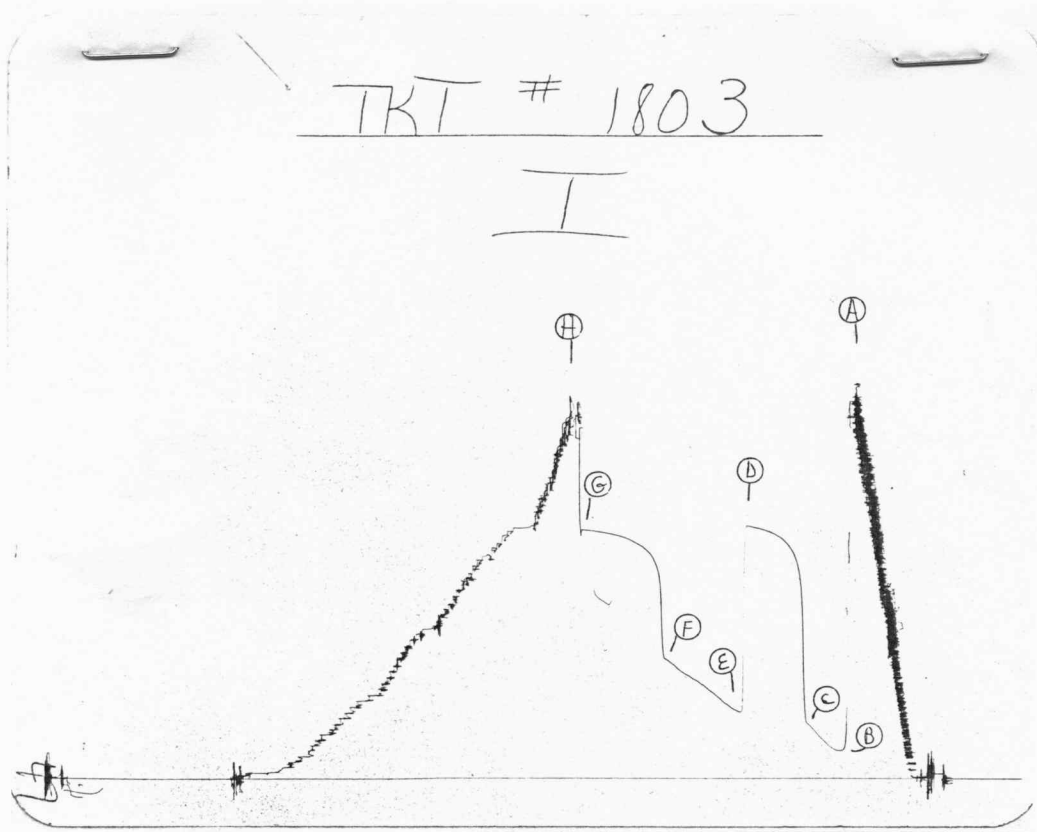
PRE FLOW

4				GAS TO SURFACE
10	MERLA	1 1/4	8" WTR	124000 CFPD
20		1 1/4	3" WTR	76000 CFPD
30		1 1/4	1" WTR	43900 CFPD

SECOND FLOW

5	MERLA	1/2	11" WTR	20900 CFPD
10		1/2	10" WTR	19900 CFPD
20		1/2	7" WTR	16700 CFPD
30		1/2	6" WTR	15400 CFPD
40				TOO MUCH VARIATION - NO GAUGE
50				TOO MUCH VARIATION - NO GAUGE
60				TOO MUCH VARIATION - NO GAUGE

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED: 8/18/83



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1997	1980	PSI
(B) First Initial Flow Pressure	158	153	PSI
(C) First Final Flow Pressure	307	305	PSI
(D) Initial Closed-in Pressure	1378	1383	PSI
(E) Second Initial Flow Pressure	360	367	PSI
(F) Second Final Flow Pressure	658	660	PSI
(G) Final Closed-in Pressure	1357	1362	PSI
(H) Final Hydrostatic Mud	1976	1966	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/19/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 8
COUNTY: STAFFORD
RANGE: 4225

TICKET #1804
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: CONGLOMERATE
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3886 FT TO: 3902 FT TOTAL DEPTH: 3902 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3881 FT SIZE: 6 5/8 IN PACKER DEPTH: 3886 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B

MUD TYPE: STARCH VISCOSITY: 45
WEIGHT: 9.6 WATER LOSS (CC): 12.2
CHLORIDES (P.P.M.): 45000

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:	3865 FT	I.D.:	3.8 IN
TEST TOOL LENGTH:	21 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: WEAK BLOW THROUGHOUT TEST.

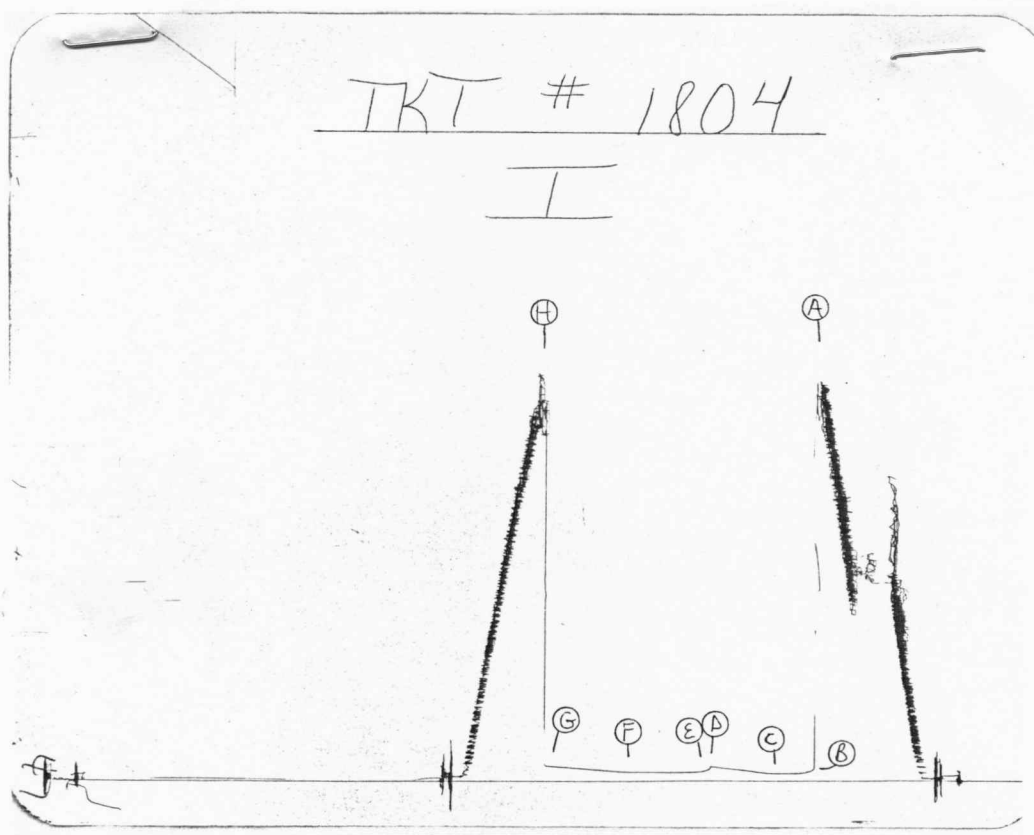
RECOVERED: 30	FT	OF: DRILLING MUD (FEW SPECKS OF OIL)
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS:

TIME SET PACKER(S): 8:00 AM

TIME STARTED OFF BOTTOM: 11:15 AM

WELL TEMPERATURE: 118 °F			
INITIAL HYDROSTATIC PRESSURE:	(A) 2092	PSI	
INITIAL FLOW PERIOD MIN: 30	(B) 41	PSI TO (C) 41	PSI
INITIAL CLOSED IN PERIOD MIN: 45	(D) 81	PSI	
FINAL FLOW PERIOD MIN: 60	(E) 50	PSI TO (F) 50	PSI
FINAL CLOSED IN PERIOD MIN: 60	(G) 84	PSI	
FINAL HYDROSTATIC PRESSURE	(H) 2074	PSI	



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2019	2092	PSI
(B) First Initial Flow Pressure	42	41	PSI
(C) First Final Flow Pressure	42	41	PSI
(D) Initial Closed-in Pressure	84	81	PSI
(E) Second Initial Flow Pressure	52	50	PSI
(F) Second Final Flow Pressure	52	50	PSI
(G) Final Closed-in Pressure	84	84	PSI
(H) Final Hydrostatic Mud	1997	2074	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/20/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 9
FORMATION: SIMPSON
TOWNSHIP: 24S
COUNTY: STAFFORD
RANGE: 422S

TICKET #1805
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4073 FT TO: 4110 FT TOTAL DEPTH: 4110 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4068 FT SIZE: 6 5/8 IN PACKER DEPTH: 4073 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B

MUD TYPE: STARCH

VISCOSITY: 42

WEIGHT: 9.6

WATER LOSS (CC): 11.0

CHLORIDES (P.P.M.): 53000

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: 4052

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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW -
DIED IN 23 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 10	FT	OF: DRILLING MUD
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:

TIME SET PACKER(S): 5:30 PM

TIME STARTED OFF BOTTOM: 8:00 PM

WELL TEMPERATURE: 120 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 2280 PSI

INITIAL FLOW PERIOD MIN: 30

(B) 61 PSI TO (C) 61 PSI

INITIAL CLOSED IN PERIOD MIN: 45

(D) 84 PSI

FINAL FLOW PERIOD MIN: 30

(E) 64 PSI TO (F) 64 PSI

FINAL CLOSED IN PERIOD MIN: 45

(G) 76 PSI

FINAL HYDROSTATIC PRESSURE

(H) 2250 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8/20/83
CUSTOMER: J A ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

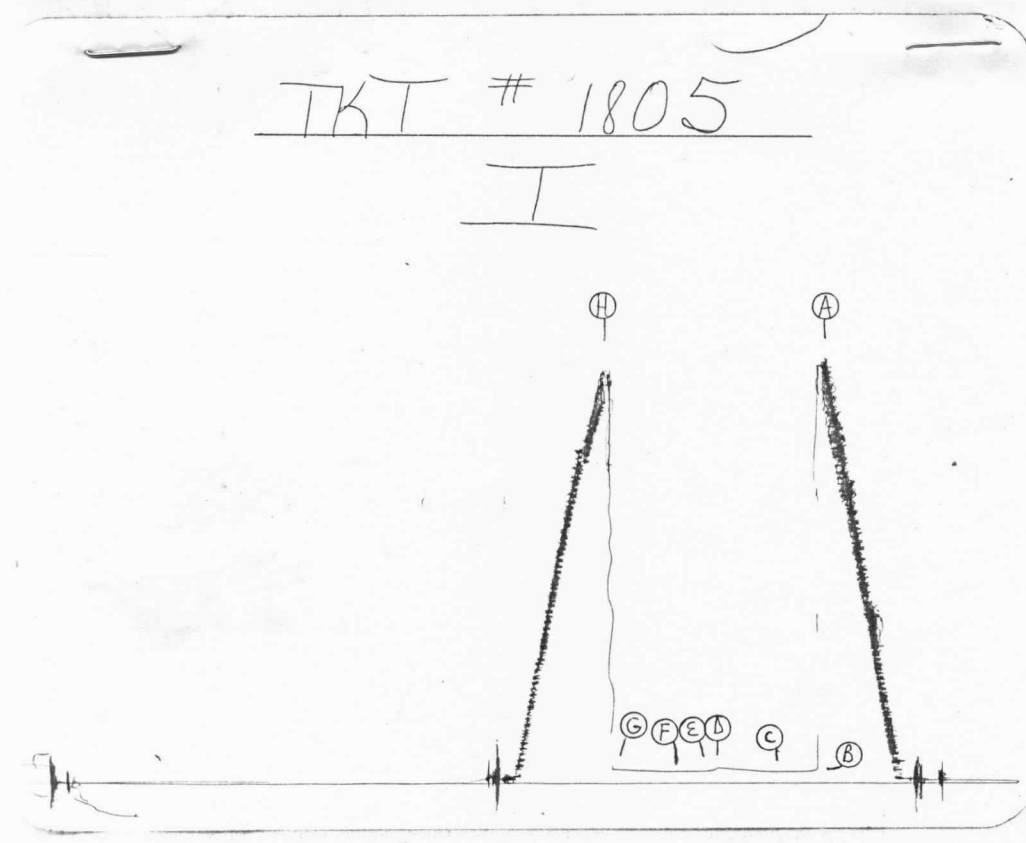
TEST: 9
COUNTY: STAFFORD
RANGE: 4225

TICKET #1805
LEASE: CLOWERS
GEOLOGIST: MCCANN
FORMATION: SIMPSON
TOWNSHIP: 24S
STATE: KANSAS
CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2280 PSI
(B) FIRST INITIAL FLOW PRESSURE: 61 PSI
(C) FIRST FINAL FLOW PRESSURE: 61 PSI
(D) INITIAL CLOSED-IN PRESSURE: 84 PSI
(E) SECOND INITIAL FLOW PRESSURE: 64 PSI
(F) SECOND FINAL FLOW PRESSURE: 64 PSI
(G) FINAL CLOSED-IN PRESSURE: 76 PSI
(H) FINAL HYDROSTATIC PRESSURE: 2250 PSI
WELL TEMPERATURE: 120 °F
OPEN TOOL: 5:30 PM

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

PRESSURE BREAKDOWN								
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	61	0	61	0	64	0	64
2	5	61	3	61	5	64	3	64
3	10	61	6	62	10	64	6	64
4	15	61	9	64	15	64	9	64
5	20	61	12	66	20	64	12	65
6	25	61	15	68	25	64	15	66
7	30	61	18	70	30	64	18	67
8			21	72			21	68
9			24	74			24	69
10			27	76			27	70
11			30	78			30	71
12			33	80			33	72
13			36	81			36	73
14			39	82			39	74
15			42	83			42	75
16			45	84			45	76
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2273	2280	PSI
(B) First Initial Flow Pressure	52	61	PSI
(C) First Final Flow Pressure	52	61	PSI
(D) Initial Closed-in Pressure	84	84	PSI
(E) Second Initial Flow Pressure	63	64	PSI
(F) Second Final Flow Pressure	63	64	PSI
(G) Final Closed-in Pressure	74	76	PSI
(H) Final Hydrostatic Mud	2252	2250	PSI

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/21/83
CUSTOMER: J. A. ALLISON
WELL: 1
ELEVATION (KB): 0
SECTION: 35
RANGE: 13W
GAUGE SN #13547

TEST: 10
FORMATION: ARBUCKLE
TOWNSHIP: 24S
COUNTY: STAFFORD
RANGE: 4225

TICKET #1806
LEASE: CLOWERS
GEOLOGIST: MCCANN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4131 FT TO: 4136 FT TOTAL DEPTH: 4136 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4126 FT SIZE: 6 5/8 IN PACKER DEPTH: 4131 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: B & B
MUD TYPE: STARCH VISCOSITY: 42
WEIGHT: 9.6 WATER LOSS (CC): 11.0
CHLORIDES (P.P.M.): 53000
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: 4103 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 5 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 FAIR.
FINAL FLOW PERIOD FAIR BLOW
THROUGHOUT.

RECOVERED: 70	FT	OF: MUDDY WATER
RECOVERED: 124	FT	OF: SALTWATER
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: CHLORIDES 22000 PPM

TIME SET PACKER(S): 7:55 AM	TIME STARTED OFF BOTTOM: 9:55 AM
WELL TEMPERATURE: 121 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2283 PSI
INITIAL FLOW PERIOD MIN: 30	(B) 48 PSI TO (C) 84 PSI
INITIAL CLOSED IN PERIOD MIN: 30	(D) 1345 PSI
FINAL FLOW PERIOD MIN: 30	(E) 105 PSI TO (F) 123 PSI
FINAL CLOSED IN PERIOD MIN: 30	(G) 1329 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2248 PSI

PRESSURE DATA

CLOCK: 12

OPEN TOOL: 7:55 AM

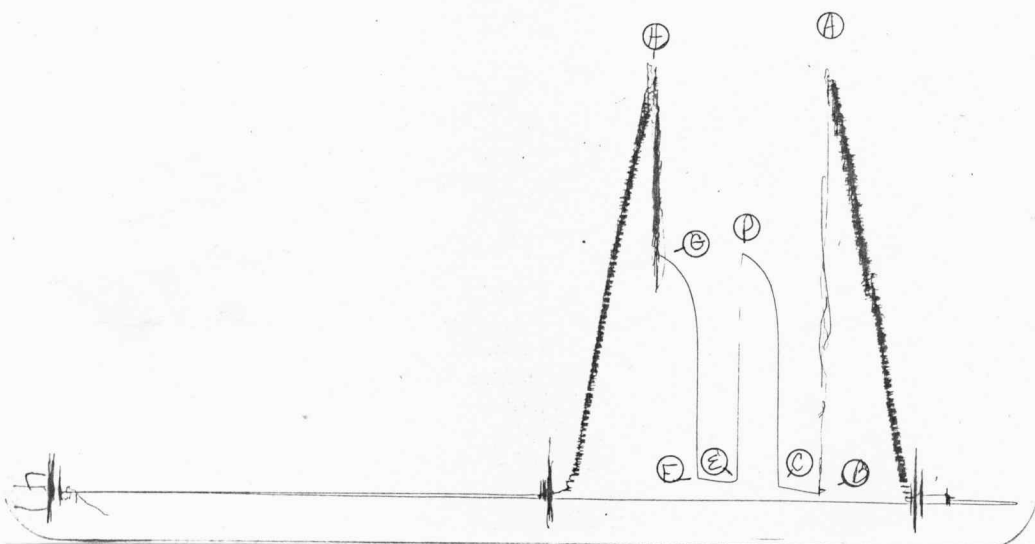
FINAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

PRESSURE BREAKDOWN

11	30	1345	30	1329
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TRT # 1806

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This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2283	2283	PSI
(B) First Initial Flow Pressure	42	48	PSI
(C) First Final Flow Pressure	84	84	PSI
(D) Initial Closed-in Pressure	1336	1345	PSI
(E) Second Initial Flow Pressure	95	105	PSI
(F) Second Final Flow Pressure	116	123	PSI
(G) Final Closed-in Pressure	1336	1329	PSI
(H) Final Hydrostatic Mud	2262	2248	PSI