

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 4/24/83 TICKET #18811
CUSTOMER: ASSOCIATED PETRO. LEASE: MARSH RANCH
WELL: 3 TEST: 1 GEOLOGIST: PHILLIP HARGIS
ELEVATION (KB): 1910 FORMATION: MISSISSIPPIAN
SECTION: 20 TOWNSHIP: 32S
RANGE: 15W COUNTY: BARBER STATE: KANSAS
GAUGE SN #2606 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 4811 FT TO: 4830 FT TOTAL DEPTH: 4860 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4806 FT SIZE: 6 3/4 IN PACKER DEPTH: 4811 FT SIZE: 6 3/4 IN
PACKER DEPTH: 4830 FT SIZE: 6 3/4 IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: HEARTLAND DRLG
MUD TYPE: CHEMICAL VISCOSITY: 51
WEIGHT: 9.2 WATER LOSS (CC):
CHLORIDES (P.P.M.):
JARS - MAKE: WTC SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 460 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4813 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 19 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 STRONG BLOW.
FINAL FLOW PERIOD STRONG BLOW.
GAS TO SURFACE IN 5 MINUTES.
SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

RECOVERED: 100 FT OF: GAS CUT 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: 30 FEET OF TAIL PIPE.
RIG BROKE DOWN GOING INTO HOLE WITH TEST.

TIME SET PACKER(S): 8:00 PM TIME STARTED OFF BOTTOM: 12:00 AM
WELL TEMPERATURE: 130 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2502 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 85 PSI TO (C) 67 PSI
INITIAL CLOSED IN PERIOD MIN: 33 (D) 1334 PSI
FINAL FLOW PERIOD MIN: 90 (E) 103 PSI TO (F) 61 PSI
FINAL CLOSED IN PERIOD MIN: 96 (G) 1601 PSI
FINAL HYDROSTATIC PRESSURE (H) 2406 PSI

WESTERN TESTING COMPANY
PRESSURE DATA

DATE: 4/24/83

CUSTOMER: ASSOCIATED PETRO.

TEST: 1

FORMATION: MISSISSIPPIAN

TOWNSHIP: 32S

COUNTY: BARBER

STATE: KANSAS

RANGE: 4150

CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE: 2502 PSI

(B) FIRST INITIAL FLOW PRESSURE: 85 PSI

(C) FIRST FINAL FLOW PRESSURE: 67 PSI

(D) INITIAL CLOSED-IN PRESSURE: 1334 PSI

(E) SECOND INITIAL FLOW PRESSURE: 103 PSI

(F) SECOND FINAL FLOW PRESSURE: 61 PSI

(G) FINAL CLOSED-IN PRESSURE: 1601 PSI

(H) FINAL HYDROSTATIC PRESSURE: 2406 PSI

WELL TEMPERATURE: 130 °F

OPEN TOOL: 8:00 PM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	30 MIN	30 MIN

INITIAL CLOSED-IN PRESSURE: 30 MIN 33 MIN

SECOND FLOW PRESSURE: 90 MIN 90 MIN

FINAL CLOSED-IN PRESSURE: 90 MIN 96 MIN

PRESSURE BREAKDOWN

[illegible]

PRESSURE BREAKDOWN - CONT. TICKET #18811

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1595
32							93	1598
33							96	1601
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WESTERN TESTING COMPANY
GAS FLOW REPORT

DATE: 4/24/83
CUSTOMER: ASSOCIATED PETRO.
WELL: 3
ELEVATION (KB): 1910
SECTION: 20
RANGE: 15W
GAUGE SN #2606

TEST: 1
FORMATION: MISSISSIPPIAN
TOWNSHIP: 32S
COUNTY: BARBER
RANGE: 4150

TICKET #18811
LEASE: MARSH RANCH
GEOLOGIST: PHILLIP HARGIS
STATE: KANSAS
CLOCK: 12

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

SECOND FLOW

	MERLA			GAS TO SURFACE
5				
10		1/2	11" OF WTR	20900 CFPD
20		1/2	8" OF WTR	17200 CFPD
30		1/2	8" OF WTR	17200 CFPD
40		1/2	8" OF WTR	17200 CFPD
50		1/2	8" OF WTR	17200 CFPD
60		1/2	8" OF WTR	17200 CFPD
70		1/2	8" OF WTR	17200 CFPD
80		1/2	8" OF WTR	17200 CFPD
90		1/2	8" OF WTR	17200 CFPD

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

2606

DST#1

TKT 18811

I

(H)

(H)

(G)

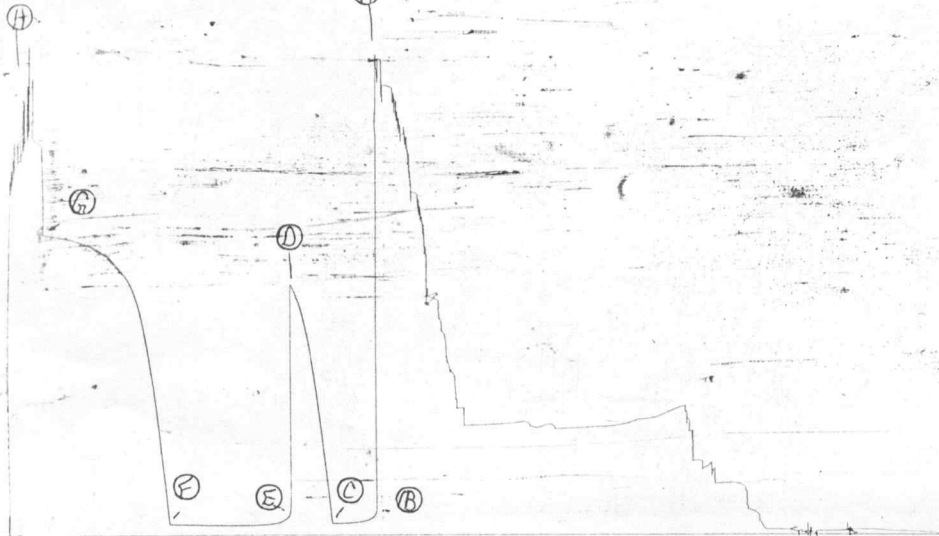
(D)

(F)

(E)

(C)

(B)



13402

DST #1

13402

TKT 18811

Below Straddle

