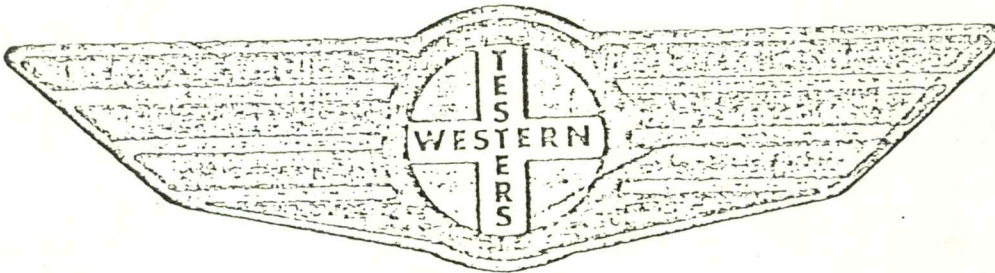


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company _____ ABERCROMBIE DRILLING, INC. Lease and Well No. _____ #1 VOGEL _____ Sec. 1 _____ Twp. 33S Rge. 6W Test No. 1 Date 01/27/01

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/25/84
CUSTOMER: ABERCROMBIE DRILLING INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 1 TOWNSHIP: 33S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

TICKET #5585
LEASE: VOGEL
GEOLOGIST: STEVE ?

INTERVAL TEST FROM: 4380 FT TO: 4392 FT TOTAL DEPTH: 4392 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4375 FT SIZE: 6 3/4 IN PACKER DEPTH: 4380 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BRANDT DRLG
MUD TYPE: CHEMICAL VISCOSITY: 40
WEIGHT: 9.5 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 12000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.2 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4120 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 12 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: STRONG BLOW THROUGHOUT TEST.
GAS TO SURFACE IN 25 MINUTES ON
THE INITIAL SHUT-IN. SEE ATTACHED
SHEET FOR GAS MEASUREMENTS.

RECOVERED: 120 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:
RECOVERED: FT OF:

REMARKS: SLID TOOL 5 FEET TO BOTTOM.

TIME SET PACKER(S): 8:00 AM TIME STARTED OFF BOTTOM: 11:30 AM
WELL TEMPERATURE: 118 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2227 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 51 PSI TO (C) 56 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1086 PSI
FINAL FLOW PERIOD MIN: 60 (E) 49 PSI TO (F) 49 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 1750 PSI
FINAL HYDROSTATIC PRESSURE (H) 2186 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 6/25/84
CUSTOMER: ABERCROMBIE DRILLING INC.
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: MISSISSIPPI
SECTION: 1 TOWNSHIP: 33S
RANGE: 6W COUNTY: HARPER STATE: KANSAS
GAUGE SN #13402 RANGE: 4025 CLOCK: 12

TICKET #5585
LEASE: VOGEL
GEOLOGIST: STEVE ?

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

SECOND FLOW

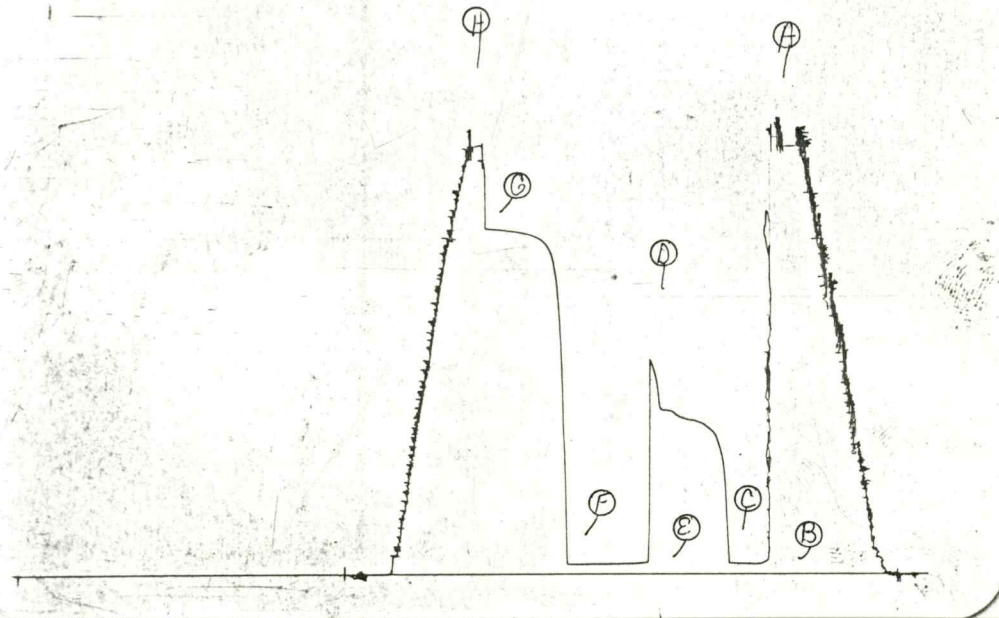
5	MERLA	1/2	13" WTR	22800	CFPD
10			14	23700	
15			18	26600	
20			22	29400	
30			28	33200	
40			34	36500	
50		3/4	8	40000	
60			9	42500	

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

T3402
DST #1

TKT # 5585

I

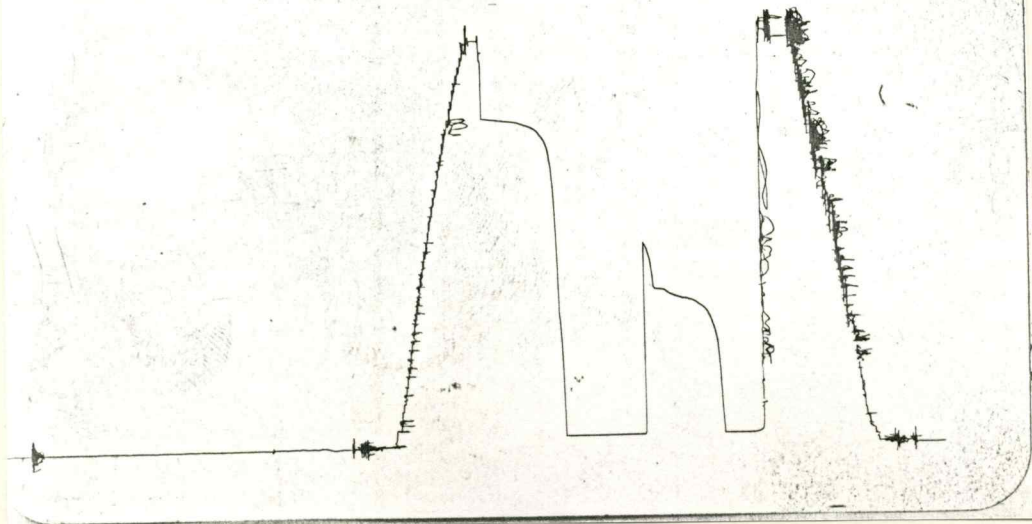


Inside Recorder

1559
DST #1

TKT # 5585

O

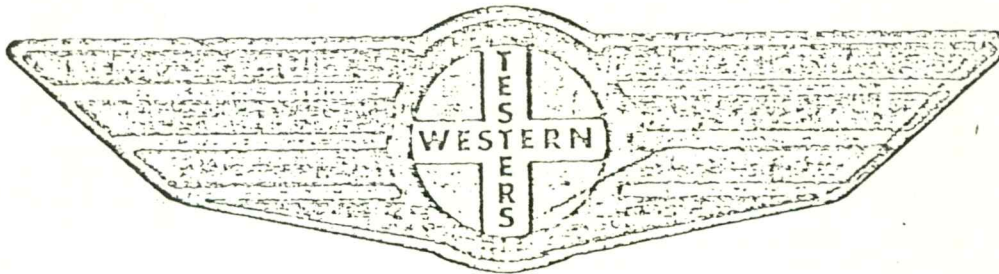


Outside Recorder

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company _____ ABERCROMBIE DRILLING, INC. Lease and Well No. _____ #1 VOGEL _____ Sec. 1 _____ Twp. 33S Rge. 6W Test No. 2 Date 6/25/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 6/25/84
 CUSTOMER: ABERCROMBIE DRILLING INC.
 WELL: 1 TEST: 2
 ELEVATION (KB): 0 FORMATION: MISSISSIPPI
 SECTION: 1 TOWNSHIP: 33S
 RANGE: 6W COUNTY: HARPER STATE: KANSAS
 GAUGE SN #13402 RANGE: 4025 CLOCK: 12

TICKET #5586
 LEASE: VOGEL
 GEOLOGIST: STEVE ?

INTERVAL TEST FROM: 4393 FT TO: 4407 FT TOTAL DEPTH: 4407 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4388 FT SIZE: 6 3/4 IN PACKER DEPTH: 4393 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

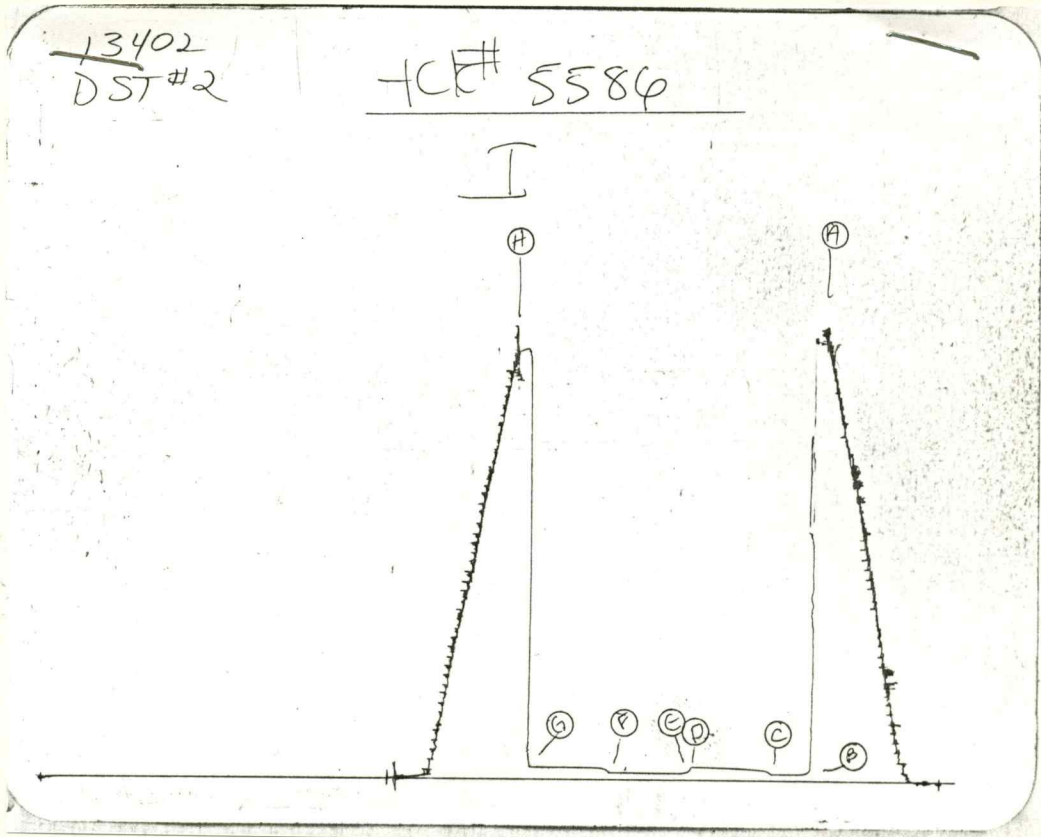
DRILLING CONTRACTOR: BRANDT DRLG
 MUD TYPE: CHEMICAL VISCOSITY: 40
 WEIGHT: 9.5 WATER LOSS (CC): 10.0
 CHLORIDES (P.P.M.): 12000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 240 FT I.D.: 2.2 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 4133 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 14 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
 SLOWLY BUILDING TO A STRONG BLOW.
 FINAL FLOW PERIOD STRONG BLOW.

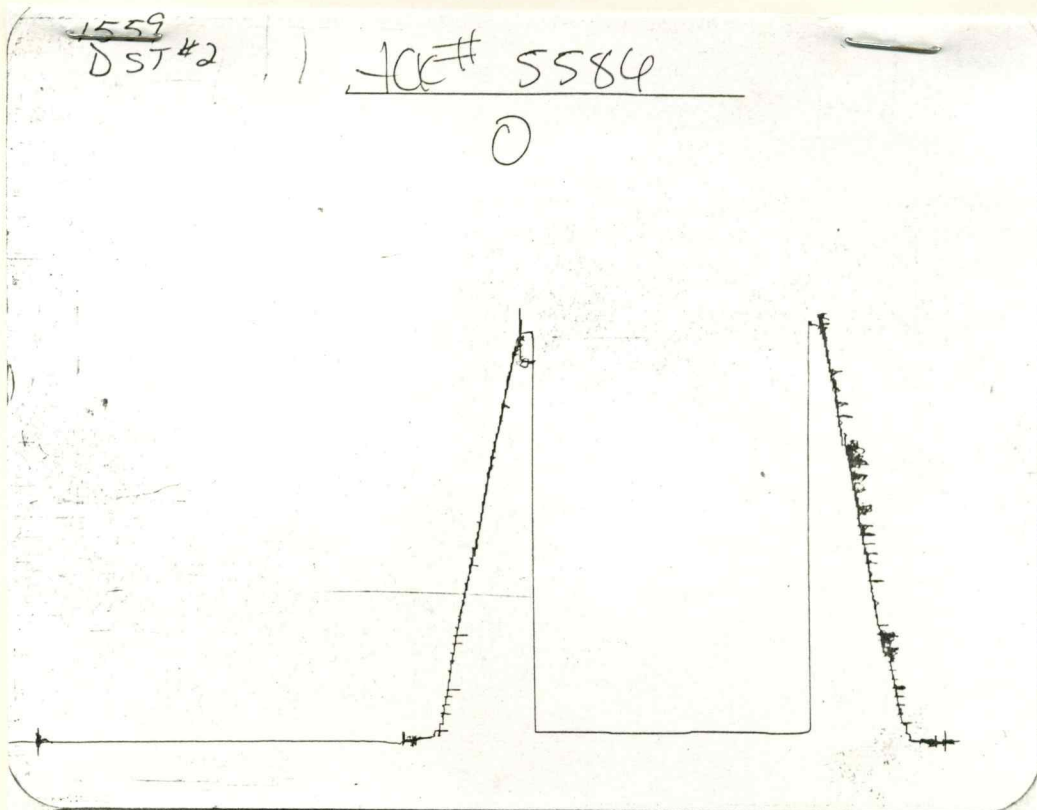
RECOVERED: 60 FT OF: MUD.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 9:30 PM TIME STARTED OFF BOTTOM: 1:00 AM
 WELL TEMPERATURE: 118 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2246 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 35 PSI TO (C) 35 PSI
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 66 PSI
 FINAL FLOW PERIOD MIN: 60 (E) 34 PSI TO (F) 34 PSI
 FINAL CLOSED IN PERIOD MIN: 60 (G) 61 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2200 PSI



Inside Recorder



Outside Recorder