

POINT

(A) Initial Hydrostatic Mud	1320	PSI
(B) First Initial Flow Pressure	78	PSI
(C) First Final Flow Pressure	223	PSI
(D) Initial Closed-in Pressure	1078	PSI
(E) Second Initial Flow Pressure	242	PSI
(F) Second Final Flow Pressure	359	PSI
(G) Final Closed-in Pressure	1048	PSI
(H) Final Hydrostatic Mud	1281	PSI

FORMATION TESTING SERVICE

P.O.Box 518, Hays, Kansas 67601
Telephone (913) 628-1115

Test# 1
Zone Tested: Tarkio
Lease Name: Clyde Van Iwaarden #1
Location: Sec. 26 Twp. 32S Rng. 11W
County Barber St. Kansas
Date: 7/8/1984
Elevation: 1500 K.B.
Tester: Craig Bucl

Company: Sun West Exploration

Company Address: Englewood, Colorado

Company Representative: Mr. Doug McGinness II

Contractor: Allen Rig #5

Interval Tested: 2554'-2585'

Internal Recorder-Type: AK-1 Range: 3900 No: 13752 Depth: 2555'

External Recorder-Type: AK-1 Range: 3950 No: 13753 Depth: 2581'

Initial Hydrostatic Mud: 1320 P.S.I.

Initial Flow Pressure 78 To 223 P.S.I.

Initial Flow Period 30 Min.

Initial Shut-In Pressure 1078 P.S.I.

Initial Shut-In 30 Min.

Final Flow Pressure 242 To 359 P.S.I.

Final Flow Period 30 Min.

Final Shut-In Pressure 1048 P.S.I.

Final Shut-In 30 Min.

Final Hydrostatic Mud 1281 P.S.I.

Temperature: 101° Tool Open: 6:00 A.M.

Mud Weight 9.5 Viscosity 28 Water Loss -

Blow: Building to bottom of bucket in four minutes. Similar second opening.

Total Depth: 2585'

Anchor Length: 31'

Remarks Chlorides 92,000 p.p.m. Cl⁻

Bottom Packer: 2554'

Top Packer: 2549'

Surface Choke: 1"

Bottom Choke: 3/4"

Drill Pipe Size: 4 1/2" X.H.

Collars Run: 120 I.D. 2.25"

Wt. Pipe Run: - I.D. -

Main Hole Size: 7 7/8"

Rubber Size: 6 5/8"

580 Feet Total Recovery

Recovered 580 Feet Muddy slightly gas cut salt water.

Recovered Feet

Recovered Feet

Recovered Feet

Extra Equipment: None Price of Job: 600.00

FORMATION TESTING SERVICE

P.O.Box 518, Hays, Kansas 67601
Telephone (913) 628-1115

Test# 2

Zone Tested: Tarkio Sand

Lease Name: Clyde Van Iwaarden #1

Location: Sec. 26 Twp. 32S Rng. 11W

County Barber St. Kansas

Date: 7/8/1984

Elevation: 1500 K.B.

Tester: Craig Bucl

Company: Sun West Exploration

Company Address: Englewood, Colorado

Company Representative: Doug McGinness II

Contractor: Allen Rig #5

Interval Tested: 2770'-2797'

Internal Recorder-Type: AK-1 Range: 3900 No: 13752 Depth: 2772'

External Recorder-Type: AK-1 Range: 3950 No: 13753 Depth: 2793'

Initial Hydrostatic Mud: 1368 P.S.I.

Initial Flow Pressure 136 To 281 P.S.I.

Initial Flow Period 30 Min.

Initial Shut-In Pressure 1203 P.S.I.

Initial Shut-In 30 Min.

Final Flow Pressure 359 To 378 P.S.I.

Final Flow Period 30 Min.

Final Shut-In Pressure 1203 P.S.I.

Final Shut-In 60 Min.

Final Hydrostatic Mud 1349 P.S.I.

Temperature: 101° Tool Open: 7:55 P.M.

Blow: Gas to surface 5 minutes.

Mud Weight SPOTTED TANK ON BOTTOM

Similar second opening.

Total Depth: 2797'

Anchor Length: 27'

Remarks _____

Bottom Packer: 2770'

Top Packer: 2765'

Surface Choke: 1"

Bottom Choke: 3/4"

Drill Pipe Size: 4 1/2" X.H.

Collars Run: - I.D. -

Wt. Pipe Run: - I.D. -

Main Hole Size: 7 7/8"

Rubber Size: 6 5/8"

130 Feet Total Recovery

Recovered 130 Feet Gas cut mud.

Recovered _____ Feet _____

Recovered _____ Feet _____

Recovered _____ Feet _____

Extra Equipment: None

Price of Job: 600.00

SURFACE FLOW DATA

COMPANY Sun West Exploration TEST NO. 2
 TICKET NO. 0461 DATE 7/8/1984

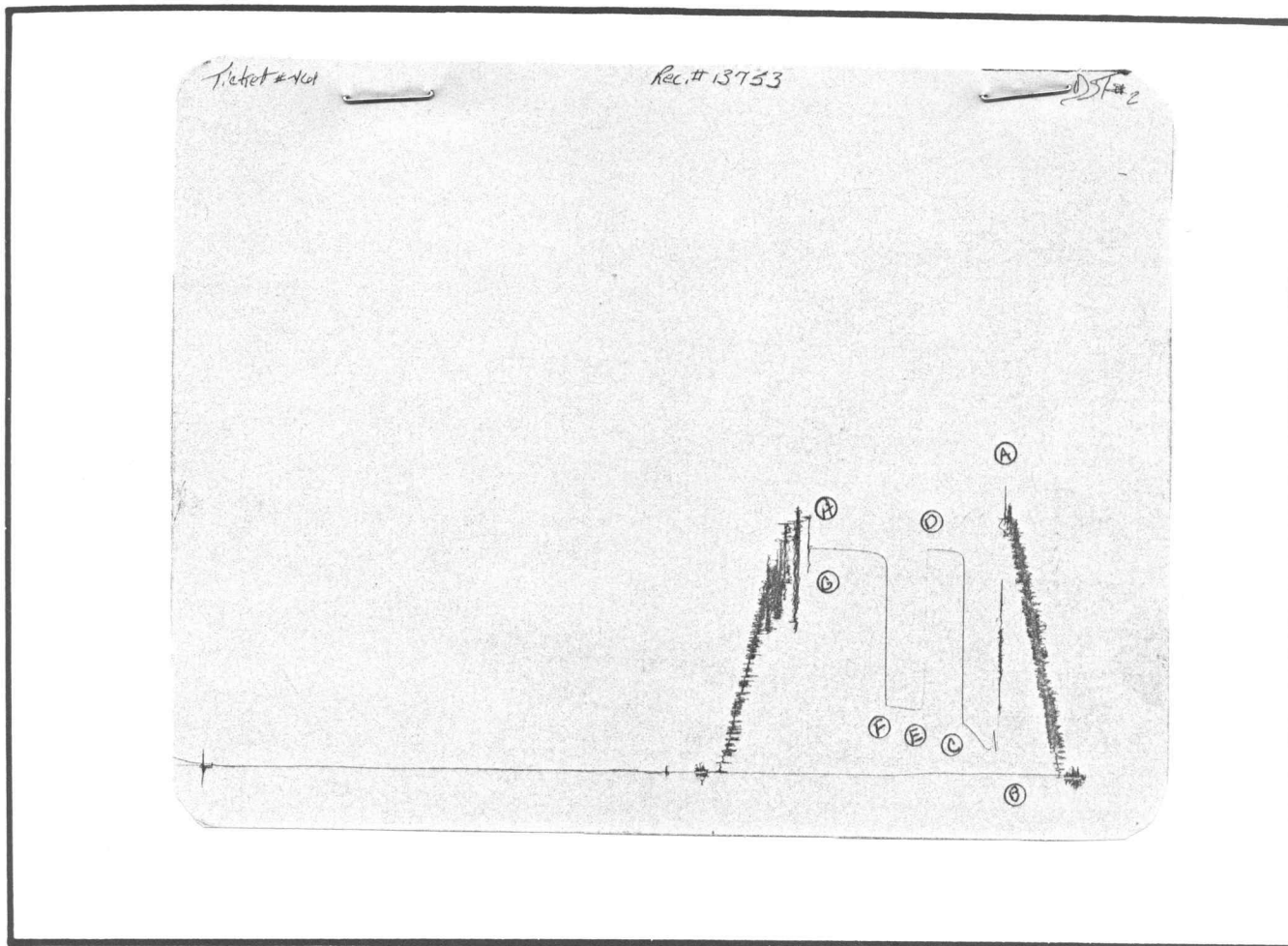
TIME PRE-FLOW	P.S.I. INS. OF WTR.	ORFICE	C.F.P.D. THRU 2"
10 Minutes	5	1"	353,000
15 Minutes	10	1"	472,000
20 Minutes	19	1"	699,000
25 Minutes	25	1"	840,000
30 Minutes	35	1"	1,057,000
SECOND FLOW			
5 Minutes	12	1½"	1,420,000
10 Minutes	15	1½"	1,626,000
15 Minutes	15½	1½"	1,660,000
20 Minutes	16	1½"	1,694,000
25 Minutes	17	1½"	1,760,000
30 Minutes	17	1½"	1,760,000

SIZE CHOKE SURFACE 1 IN. BOTTOM 3/4 IN.

REMARKS Tool slide six feet to bottom.
Gas to surface in five minutes.
Sample bottle delivered to Means Lab , Wichita, for analysis.

SAMPLE BOTTLE NO. 14673

2" Orifice Well Tester Flow Rate-MCF Day
 Based on: 14.65 P.S.I.A., 60 F., 0.60 Specific Gravity



POINT

(A) Initial Hydrostatic Mud	1368	PSI
(B) First Initial Flow Pressure	136	PSI
(C) First Final Flow Pressure	281	PSI
(D) Initial Closed-in Pressure	1203	PSI
(E) Second Initial Flow Pressure	359	PSI
(F) Second Final Flow Pressure	378	PSI
(G) Final Closed-in Pressure	1203	PSI
(H) Final Hydrostatic Mud	1349	PSI

FORMATION TESTING SERVICE

P.O.Box 518, Hays, Kansas 67601
Telephone (913) 628-1115

Test# 3

Zone Tested: Mississippi

Lease Name: Clyde Van Iwaarden 31

Location: Sec. 26 Twp. 32S Rng. 11W

County Barber St. Kansas

Date: 7/12/84

Elevation: 1500 K.B.

Tester: Craig Bucl

Company: Sun West Exploration

Company Address: Englewood, Colorado

Company Representative: Mr. Doug McGinness II

Contractor: Allen Rig #5 Interval Tested: 4422'-4441'

Internal Recorder-Type: AK-1 Range: 3900 No: 13752 Depth: 4423'

External Recorder-Type: AK-1 Range: 3950 No: 13753 Depth: 4437'

Initial Hydrostatic Mud 2099 P.S.I.

Initial Flow Pressure 32 To 32 P.S.I.

Initial Flow Period 30 Min.

Initial Shut-In Pressure 145 P.S.I.

Initial Shut-In 30 Min.

Final Flow Pressure 32 To 32 P.S.I.

Final Flow Period 45 Min.

Final Shut-In Pressure 359 P.S.I.

Final Shut-In 45 Min.

Final Hydrostatic Mud 2079 P.S.I.

Temperature: 118° Tool Open: 2:10 A.M.

Mud Weight 9.1 Viscosity 45 Water Loss 8.8

Total Depth: 4441'

Anchor Length: 29'

Bottom Packer: 4422'

Top Packer: 4407'

Surface Choke: 1"

Bottom Choke: 3/4"

Drill Pipe Size: 4 1/2" X.H.

Collars Run: - I.D. -

Main Hole Size: 7 7/8"

35 Feet Total Recovery

Recovered 35 Feet Gas cut mud.

Recovered Feet

Recovered Feet

Recovered Feet

Extra Equipment: None.

Blow: Weak, building to bottom of bucket in 25 minutes. Similar to bottom of bucket in 13 minutes second opening.

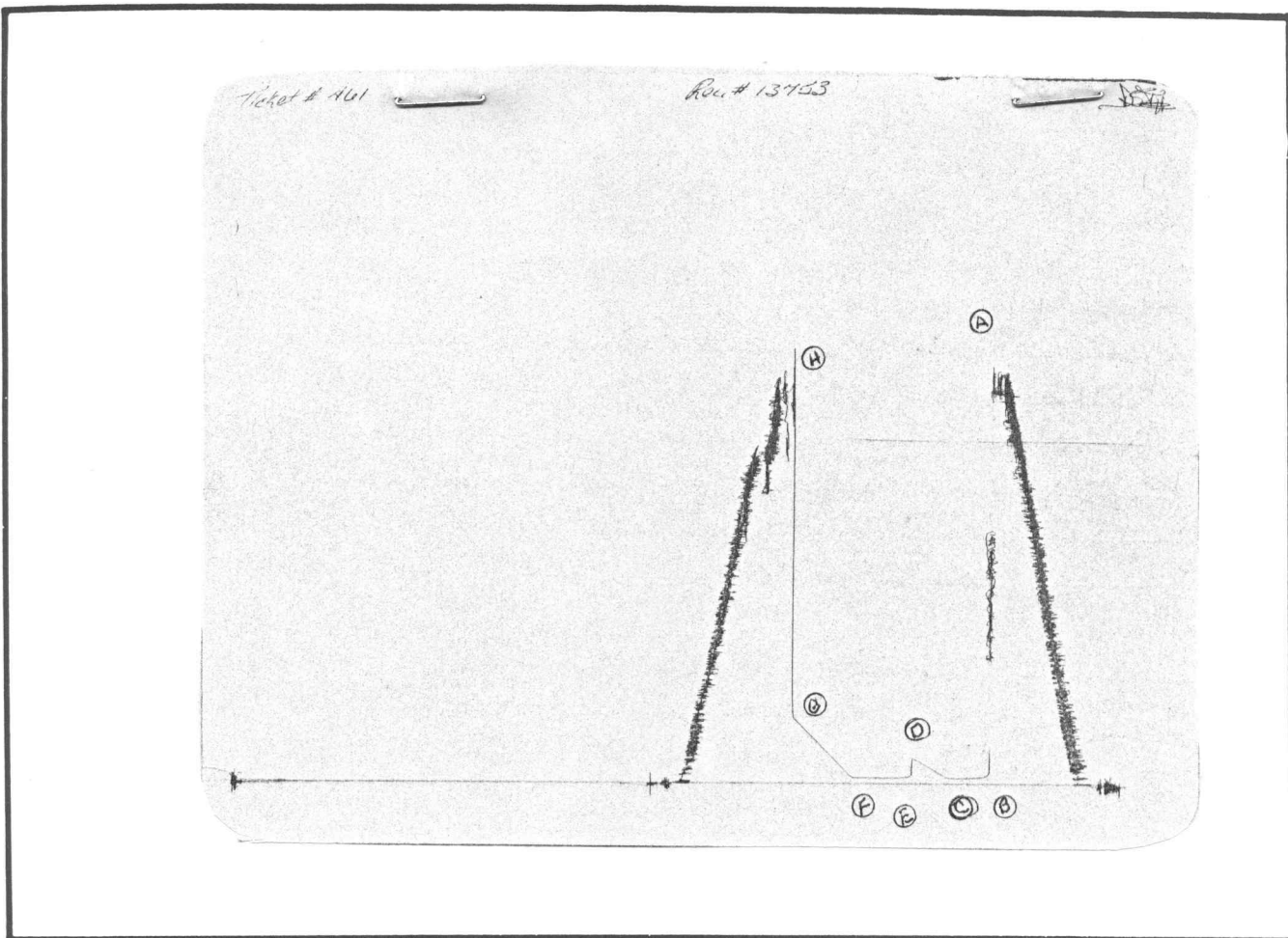
Remarks Tool slid 6' to bottom.

480' Gas in pipe.

Wt. Pipe Run: - I.D. -

Rubber Size: 6 5/8"

Price of Job: 650.00



POINT

(A) Initial Hydrostatic Mud	2099	PSI
(B) First Initial Flow Pressure	32	PSI
(C) First Final Flow Pressure	32	PSI
(D) Initial Closed-in Pressure	145	PSI
(E) Second Initial Flow Pressure	32	PSI
(F) Second Final Flow Pressure	32	PSI
(G) Final Closed-in Pressure	359	PSI
(H) Final Hydrostatic Mud	2079	PSI