

DRILL-STEM TEST DATA

Well Name:	UNRUH #1-12			
Company :	CROSS BAR PETROLEUM INC			
Location - Sec:	12	Twp:	29S	Rge: 18W
County:	KIOWA	State:	KS	
Date:	05/22/95			

TRILOBITE TESTING L.L.C.

OPERATOR : CROSS BAR PETROLEUM INC
WELL NAME: UNRUH #1-12
LOCATION : 12-29S-18W
INTERVAL : 4838.00 To 4943.00 ft

DATE 05/22/95
KB 2268.00 ft TICKET NO: 7929 DST #1
GR 0.00 ft FORMATION: MISSISSIPPIAN
TD 4943.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 45 Rec.	13754	13754	2351			PF Fr. 45 to hr
SI 60 Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. to 1 hr
SF 45 Clock(hrs)	25858	25858				SF Fr. 45 to hr
FS 120 Depth(ft)	4939.0	4939.0	4842.0	0.0	0.0	FS Fr. to 2 hr

	Field	1	2	3	4	
A. Init Hydro	2563.0	2587.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	167.0	173.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	167.0	176.0	0.0	0.0	0.0	T OPEN 1920 hr
C. In Shut-in	1706.0	1696.0	0.0	0.0	0.0	T PULLED 2350 hr
D. Init Flow	177.0	167.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	177.0	177.0	0.0	0.0	0.0	
F. Fl Shut-in	1696.0	1694.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2441.0	2431.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 410.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 120.00 ft of 120.00 ft in DC and 0.00 ft in DP
0.00 ft of GAS TO SURFACE
120.00 ft of GASSY MUD - 10% GAS, 90% MUD
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -

STRONG, BOTTOM OF BUCKET IN 30 SEC
GAS TO SURFACE IN 10 MIN

FINAL BLOW -

STRONG, BOTTOM OF BUCKET AS SOON AS
TOOL OPENED; GAS SAMPLE TAKEN

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.20 lb/c
Vis.	51.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

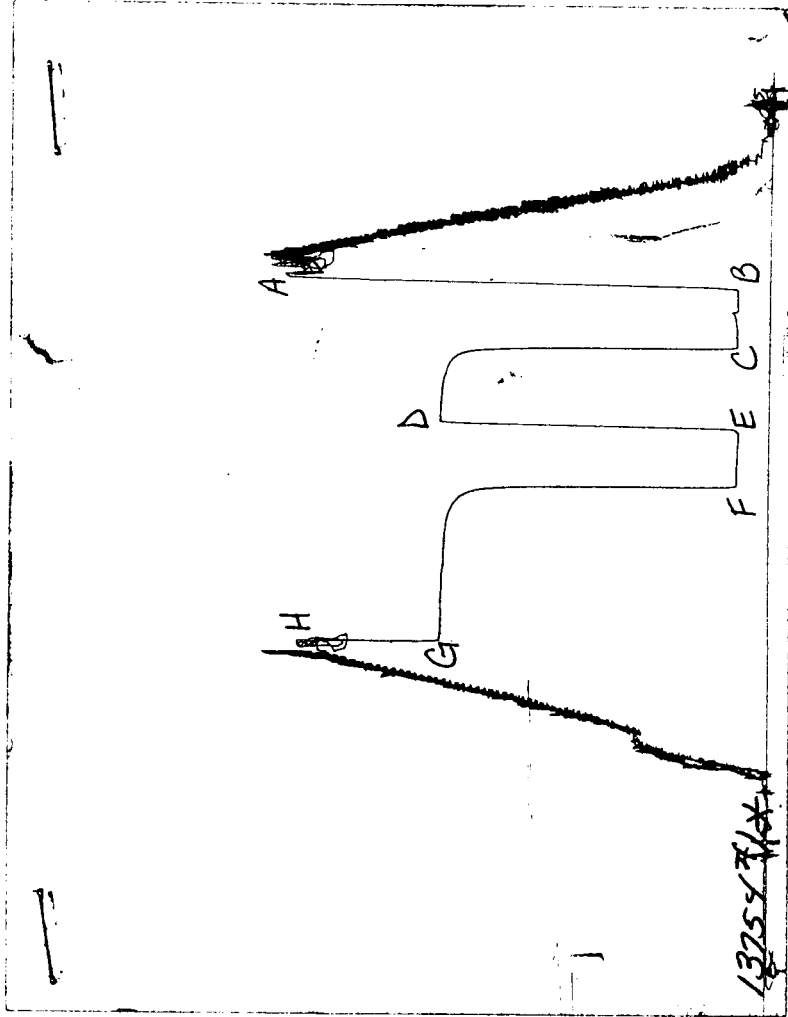
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	DAN BANGLE
Co. Rep.	TOM BLAIR
Contr.	MURFIN
Rig #	21
Unit #	
Pump T.	

SAMPLES:

SENT TO:CARAWAY, LIBERAL KS

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

GAS RECOVERY

COMPANY: CROSS BAR PETROLEUM INC	DATE: 05/22/95	
WELL NAME: UNRUH #1-12	KB Elev: 2268.00 ft	TICKET #7929 DST #1
WELL LOCATION: 12-29S-18W	GR Elev: 0.00 ft	FORMATION: MISSISSIPPIAN
INTERVAL Fr.: 4838.00 To 4943.00 T.D.: 4943.00 ft TEST TYPE: CONVENTIONAL		

GAS RECOVERY MEASURED WITH MERLA

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.25	0	12	152.0
20	1.25	0	15	164.0
30	1.25	0	16	176.0
40	1.25	0	16	176.0
45	1.25	0	16	176.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.25	0	20	196.0
20	1.25	0	24	215.0
30	1.25	0	24	215.0
40	1.25	0	24	215.0
45	1.25	0	24	215.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Unruh #1-12

LOCATION : 12-29-18

TICKET No. 7929 D.S.T. No. 1 DATE 5-22-95

TOTAL TOOL TO BOTTOM OF TOP PACKERS 29

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 113

TOTAL TOOL 142

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single 1 Total 28

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 4456

D.C. ABOVE TOOLS.Stands7 Single Total 410

D.P. ABOVE TOOLS.Stands71 Single Total 4402

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4915

TOTAL DEPTH 4943

TOTAL DRILL PIPE ABOVE K.B. 28

REMARKS:

P.O. SUB	4696
C.O. SUB	
S.I. TOOL	4816
HMV	4821
JARS	4826
SAFETY JOINT	4831
PACKER	4833
PACKER	4838
DEPTH 4838	
STUBB	4839
ANCHOR	
2'Perf	4841
Alpine recorder	4844
DP	
DP	
Collar	
T.C.	
DEPTH	
5'Perf	4925
5'Perf	4930
3'Perf	4935
AK-1 Recorder	4939
BULLNOSE	
T.D. Bullplug	4943



GAS VOLUME REPORT

Unruh #1-12

WELL NAME AND NO.

DST NO.

Remarks: GTS in 10 min I.K. Gas sample Taken