22-15S-22W
NE-SW-NW

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company Sunburst Exploration Company Lease & Well No. #1 Ryan "B"

Elevation - Formation - Effective Pay - Ft. Ticket No. 11655

Date 6/12/81 Sec. 22 Twp. 15S Range 22W County Trego State Kansas

Test Approved by Gerald B Becker Western Representative Steve Michellich

Formation Test No. 1 Interval Tested from 4144 ft. to 4198 ft. Total Depth 4198 ft.

Packer Depth 4144 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4139 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4146 ft. Recorder Number 1561 Cap. 3200

Bottom Recorder Depth (Outside) 4149 ft. Recorder Number 1134 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Abercrombie Rig #1 Drill Collar Length 150 I. D. 2.25 in.

Mud Type Starch Viscosity 43 Weight Pipe Length 558 I. D. 2.76 in.

Weight 9.6 Water Loss 13.4 cc. Drill Pipe Length 3416 I. D. 3.8 in.

Chlorides 39,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 418 Anchor Length 54 ft. Size 5½ in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Fair 2" blow decreasing to weak blow throughout test.

Recovered 70 ft. of muddy oil - 60% oil; 32% mud; 8% water = .51 BBLS

Recovered 60 ft. of muddy oil - 90% oil; 5% mud; 5% water - .44 BBLS

Recovered 60 ft. of muddy oil - 93% oil; 2% mud; 5% water = .30 BBLS

Recovered 60 ft. of muddy oil - 84% oil; 8% mud; 8% water = .30 BBLS

Recovered ft. of Total 1.55 BBLS

Remarks:

Time Set Packer(s) 10:00 ~~A.M.~~ P.M. Time Started Off Bottom 1:45 A.M. ~~P.M.~~ Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	2217	P.S.I.	
Initial Flow Period	Minutes	30	(B)	74	P.S.I. to (C)	79 P.S.I.
Initial Closed In Period	Minutes	42	(D)	757	P.S.I.	
Final Flow Period	Minutes	60	(E)	110	P.S.I. to (F)	121 P.S.I.
Final Closed In Period	Minutes	93	(G)	687	P.S.I.	
Final Hydrostatic Pressure			(H)	2168	P.S.I.	

RECEIVED
JUL 22 '81
GREAT BEND

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 6/12/81 Test Ticket No. 11655

Recorder No. 1561 Capacity 3200 Location 4146 Ft.

Clock No. --- Elevation -- Well Temperature 110 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2217	P.S.I.	Open Tool	10:00P M	
B	First Initial Flow Pressure	74	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	79	P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
D	Initial Closed-in Pressure	757	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	110	P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	121	P.S.I.			
G	Final Closed-in Pressure	687	P.S.I.			
H	Final Hydrostatic Mud	2168	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc. of 3 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	74	0	79	0	110	0	121
P 2 5	74	3	170	5	110	3	143
P 3 10	74	6	345	10	110	6	186
P 4 15	74	9	445	15	110	9	231
P 5 20	74	12	508	20	110	12	289
P 6 25	76	15	552	25	110	15	319
P 7 30	79	18	589	30	113	18	349
P 8		21	619	35	115	21	377
P 9		24	648	40	116	24	400
P10		27	671	45	116	27	419
P11		30	693	50	118	30	440
P12		33	715	55	120	33	457
P13		36	732	60	121	36	476
P14		39	753			39	492
P15		42	757			42	509
P16						45	524
P17						48	536
P18						51	550
P19						54	563
P20						57	574
						60	585

WTC - 4

continued next page

WESTERN TESTING CO., INC.

Pressure Data

te 6/12/81 Test Ticket No. 11655

order No. 1561 Capacity 3200 Location 4146 Ft.

ck No. --- Elevation -- Well Temperature 110 °F

int	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	2217 P.S.I.	Open Tool	10:00P M	
First Initial Flow Pressure	74 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
First Final Flow Pressure	79 P.S.I.	Initial Closed-in Pressure	45 Mins.	42 Mins.
Initial Closed-in Pressure	757 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
Second Initial Flow Pressure	110 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
Second Final Flow Pressure	121 P.S.I.			
Final Closed-in Pressure	687 P.S.I.			
Final Hydrostatic Mud	2168 P.S.I.			

PRESSURE BREAKDOWN

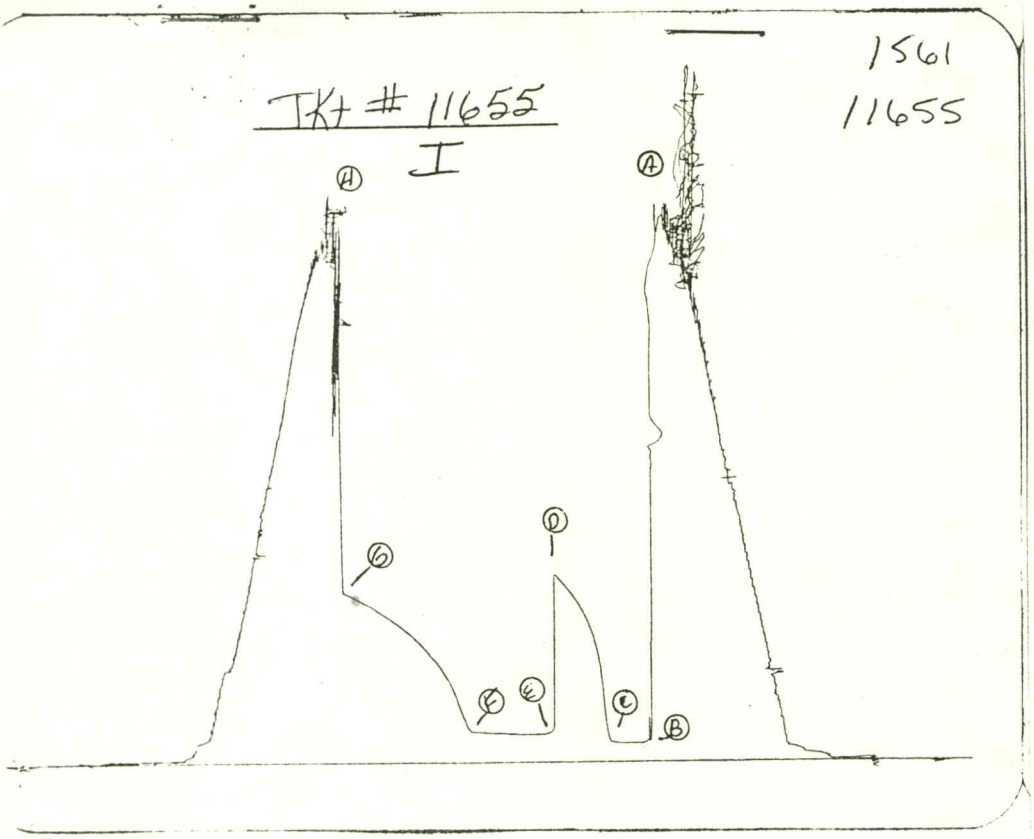
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

int ns.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1						63	597
2						66	608
3						69	618
4						72	630
5						75	638
6						78	646
7						81	657
8						84	665
9						87	674
0						90	682
1						93	687
2							
3							
4							
5							
6							
7							
8							
9							
0							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2217	2217	PSI
(B)	First Initial Flow Pressure	79	74	PSI
(C)	First Final Flow Pressure	86	79	PSI
(D)	Initial Closed-in Pressure	762	757	PSI
(E)	Second Initial Flow Pressure	102	110	PSI
(F)	Second Final Flow Pressure	133	121	PSI
(G)	Final Closed-in Pressure	692	687	PSI
(H)	Final Hydrostatic Mud	2168	2168	PSI

COMPANY Sunburst Exploration Company LEASE AND WELL NO. #1 Ryan 'B' SEC. 22 TWP. 15S RGE. 22W TEST NO. 1 DATE 6/12/81

22-15S-22W
NE-SW-NW

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

pany Sunburst Exploration Company Lease & Well No. Ryan "B"#1

tion ---- Formation ---- Effective Pay -- Ft. Ticket No. 11656

6/13/81 Sec. 22 Twp. 15S Range 22W County Trego State Kansas

Approved by Gerald B. Becker Western Representative Steve Michellich

ation Test No. 2 Interval Tested from 4205 ft. to 4218 ft. Total Depth 4218 ft.

er Depth 4205 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

er Depth 4208 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

h of Selective Zone Set -

Recorder Depth (Inside) 4207 ft. Recorder Number 1561 Cap. 3200

om Recorder Depth (Outside) 4208 ft. Recorder Number 1134 Cap. 4500

w Straddle Recorder Depth - ft. Recorder Number - Cap. -

ling Contractor Abercrombie Drlg. Rig #1 Drill Collar Length 180 I. D. 2.25 in.

Type Starch Viscosity 47 Weight Pipe Length 558 I. D. 2.76 in.

ght 9.8 Water Loss 12 cc. Drill Pipe Length 3447 I. D. 3.8 in.

rides 38,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½ in.

Make WTC Serial Number 402 Anchor Length 13 ft. Size 5½ in.

Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

w: Strong blow; died in fifteen mintes on initial flow period. Strong blow throughout final flow period.

overed 430 ft. of mud

overed 1560 ft. of muddy water

MISRUN

overed ft. of

overed ft. of

overed ft. of

marks: Slid ten feet to bottom. No pressures. plugging in tool and packers leaked slightly.

ne Set Packer(s) 7:30 ~~A.M.~~ P.M. Time Started Off Bottom 10:15 ~~A.M.~~ P.M. Maximum Temperature 112°

ial Hydrostatic Pressure (A) 2093 P.S.I.

tial Flow Period Minutes -- (B) -- P.S.I. to (C) -- P.S.I.

tial Closed In Period Minutes -- (D) -- P.S.I.

al Flow Period Minutes 45 (E) PLUGGED P.S.I. to (F) 967 P.S.I.

al Closed In Period Minutes 60 (G) 1279 P.S.I.

nal Hydrostatic Pressure (H) 2093 P.S.I.

RECEIVED
JUL 22 '81
GREAT BEND
Division Office

WESTERN TESTING CO., INC.
Pressure Data

Date 6/13/81 Test Ticket No. 11656

Recorder No. 1561 Capacity 3200 Location 4207 Ft.

Clock No. -- Elevation --- Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2093 P.S.I.	Open Tool	7:30P M	
B First Initial Flow Pressure	-- P.S.I.	First Flow Pressure	30 Mins.	-- Mins.
C First Final Flow Pressure	-- P.S.I.	Initial Closed-in Pressure	30 Mins.	-- Mins.
D Initial Closed-in Pressure	-- P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	PLUGGED P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	967 P.S.I.			
G Final Closed-in Pressure	1279 P.S.I.			
H Final Hydrostatic Mud	2093 P.S.I.			

PRESSURE BREAKDOWN

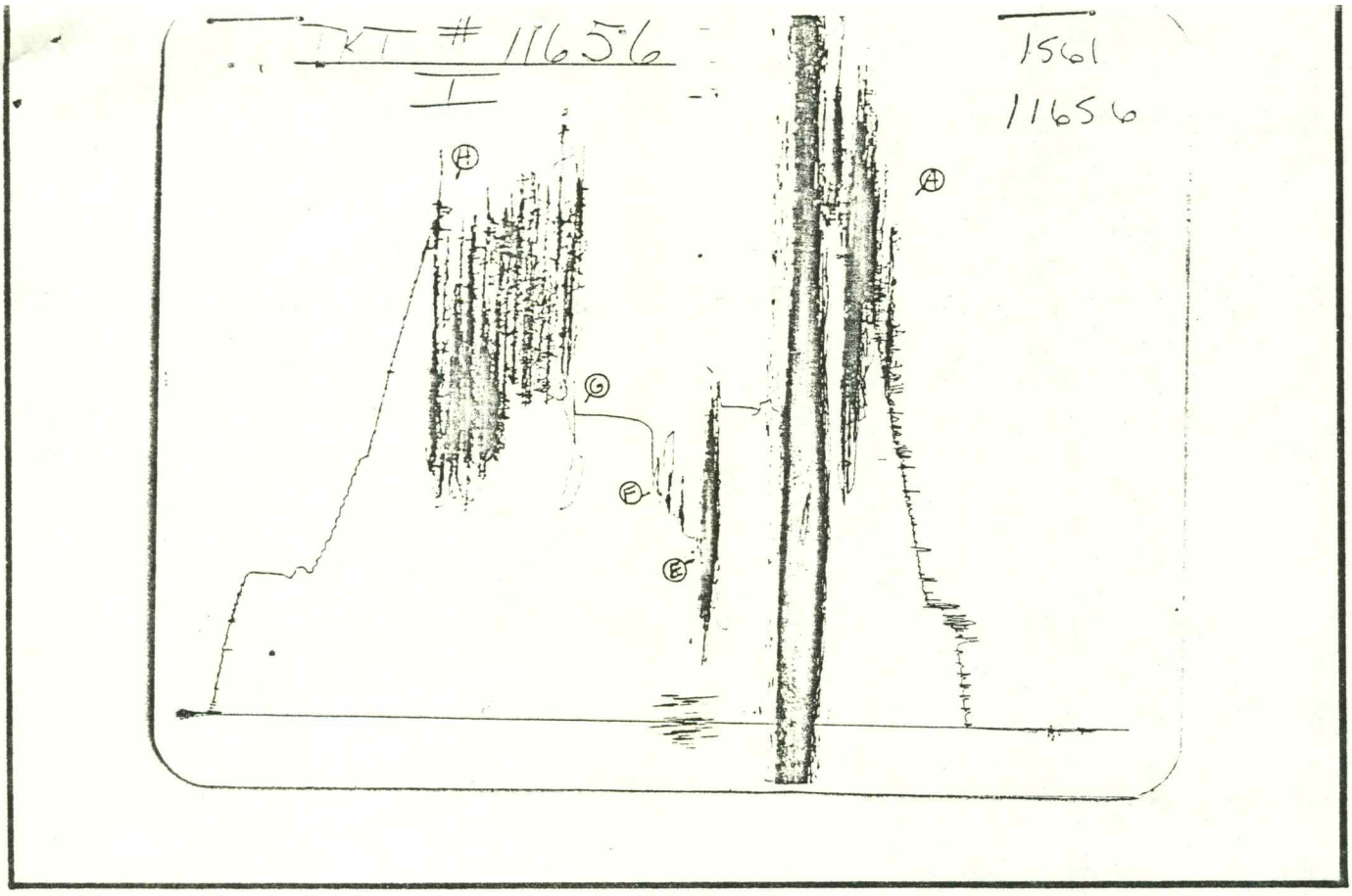
First Flow Pressure
Breakdown: 0 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 0 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				0	PLUGGED	0	967
P 2				5	PLUGGED	3	1208
P 3				10	PLUGGED	6	1232
P 4				15	762	9	1245
P 5				20	776	12	1255
P 6				25	847	15	1259
P 7				30	860	18	1261
P 8				35	885	21	1263
P 9				40	900	24	1265
P10				45	967	27	1267
P11						30	1269
P12						33	1271
P13						36	1272
P14						39	1273
P15						42	1274
P16						45	1275
P17						48	1276
P18						51	1277
P19						54	1278
P20						57	1278
						60	1279



This is an actual photograph of recorder chart.

MISRUN

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	--	2093	PSI
(B)	First Initial Flow Pressure	--	--	PSI
(C)	First Final Flow Pressure	--	--	PSI
(D)	Initial Closed-in Pressure	1316	--	PSI
(E)	Second Initial Flow Pressure	770	PLUGGED	PSI
(F)	Second Final Flow Pressure	975	967	PSI
(G)	Final Closed-in Pressure	1277	1279	PSI
(H)	Final Hydrostatic Mud	--	2093	PSI