WESTERN TESTERS

Home Office: Wichita, Kansas 67201

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

Company Foreign Oil Company Lease & Well No. Pfannanstiel #2

Elevation 1377 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 13198

Date 3/2/82 Sec. 19 Twp. 26S Range 3E County Butler State Kansas

Test Approved by Toby Elster Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 3270 ft. to 3295 ft. Total Depth 3295 ft.

Packer Depth 3265 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3270 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3287 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 3290 ft. Recorder Number 3354 Cap. 4200

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

Drilling Contractor Landmark Rig #2 Drill Collar Length 300 I. D. 2¼ in.

Mud Type Chemical Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss - cc. Drill Pipe Length 2962 I. D. 3.9 in.

Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 4½ in.

Jars: Make - Serial Number - Anchor Length 25 ft. Size 4½ in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow:

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Packer seat failure. MISRUN

Time Set Packer(s) 9:30 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom - A.M. P.M. Maximum Temperature -

Initial Hydrostatic Pressure ..... (A) 1687 P.S.I.

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

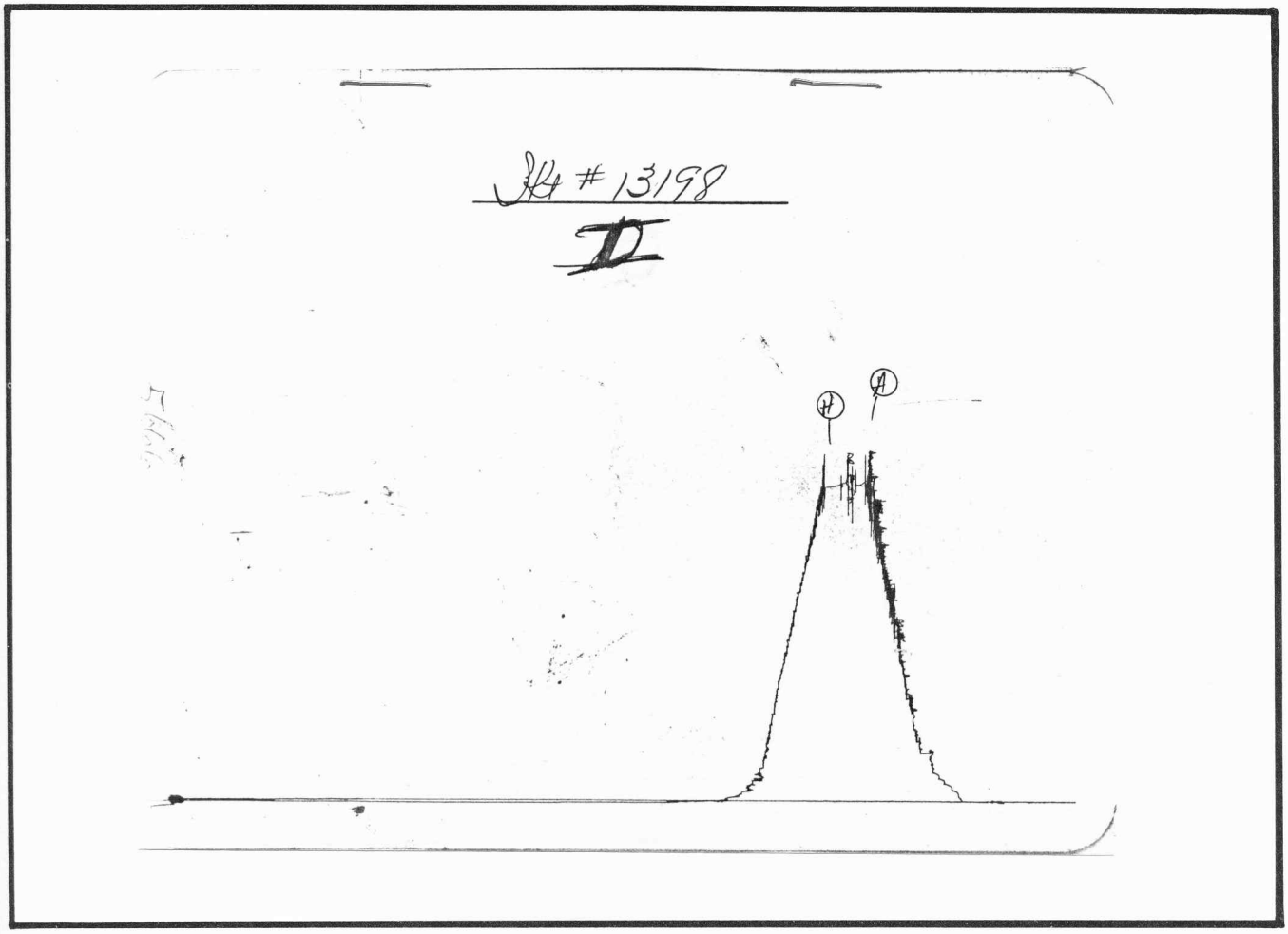
Initial Closed In Period ..... Minutes - (D) - P.S.I.

Final Flow Period ..... Minutes - (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period ..... Minutes - (G) - P.S.I.

Final Hydrostatic Pressure ..... (H) 1673 P.S.I.

WTC



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	-	1687	PSI
(B)	First Initial Flow Pressure	-	-	PSI
(C)	First Final Flow Pressure	-	-	PSI
(D)	Initial Closed-in Pressure	-	-	PSI
(E)	Second Initial Flow Pressure	-	-	PSI
(F)	Second Final Flow Pressure	-	-	PSI
(G)	Final Closed-in Pressure	-	-	PSI
(H)	Final Hydrostatic Mud	-	1673	PSI

COMPANY Foreign Oil Company LEASE AND WELL NO. Pfannanstiel #2 SEC. 19 TWP. 26S RGE. 3E TEST NO. 1 DATE 3/2/82

WESTERN TESTERS

Home Office: Wichita, Kansas 67201

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

Company Foreign Oil Company Lease & Well No. Pfannanstiel #2

Elevation 1377 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 13199

Date 3/2/82 Sec. 19 Twp. 26S Range 3E County Butler State Kansas

Test Approved by Toby Elster Western Representative Allen Edgington

Formation Test No. 2 Interval Tested from 3257 ft. to 3295 ft. Total Depth 3295 ft.

Packer Depth 3252 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3257 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3287 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3290 ft. Recorder Number 5666 Cap. 3950

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

Drilling Contractor Landmark Rig #2 Drill Collar Length 300 I. D. 2¼ in.

Mud Type Chemical Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 13.6 cc. Drill Pipe Length 2962 I. D. 3.8 in.

Chlorides 5000 P.P.M. Test Tool Length 20 ft. Tool Size 4½ in.

Jars: Make - Serial Number - Anchor Length 38 ft. Size 4½ in.

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

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

Blow: Weak throughout test.

Recovered 245 ft. of muddy water Chlorides 11,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read outside chart

Time Set Packer(s) 12:45 ~~A.M.~~ P.M. Time Started Off Bottom 4:45 ~~A.M.~~ P.M. Maximum Temperature 104

Initial Hydrostatic Pressure		(A) 1721 P.S.I.		
Initial Flow Period	Minutes 60	(B) 72 P.S.I.	to (C) 112 P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1029 P.S.I.		
Final Flow Period	Minutes 60	(E) 141 P.S.I.	to (F) 167 P.S.I.	
Final Closed In Period	Minutes 60	(G) 1007 P.S.I.		
Final Hydrostatic Pressure		(H) 1695 P.S.I.		

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 3/2/82 Test Ticket No. 13199

Recorder No. 5666 Capacity 3950 Location 3290 Ft.

Clock No. - Elevation 1377 Kelly Bushing Well Temperature 104 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1721 P.S.I.		Open Tool	12:45P M	
B	First Initial Flow Pressure	72 P.S.I.		First Flow Pressure	60 Mins.	60 Mins.
C	First Final Flow Pressure	112 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1029 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	141 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	167 P.S.I.				
G	Final Closed-in Pressure	1007 P.S.I.				
H	Final Hydrostatic Mud	1695 P.S.I.				

PRESSURE BREAKDOWN

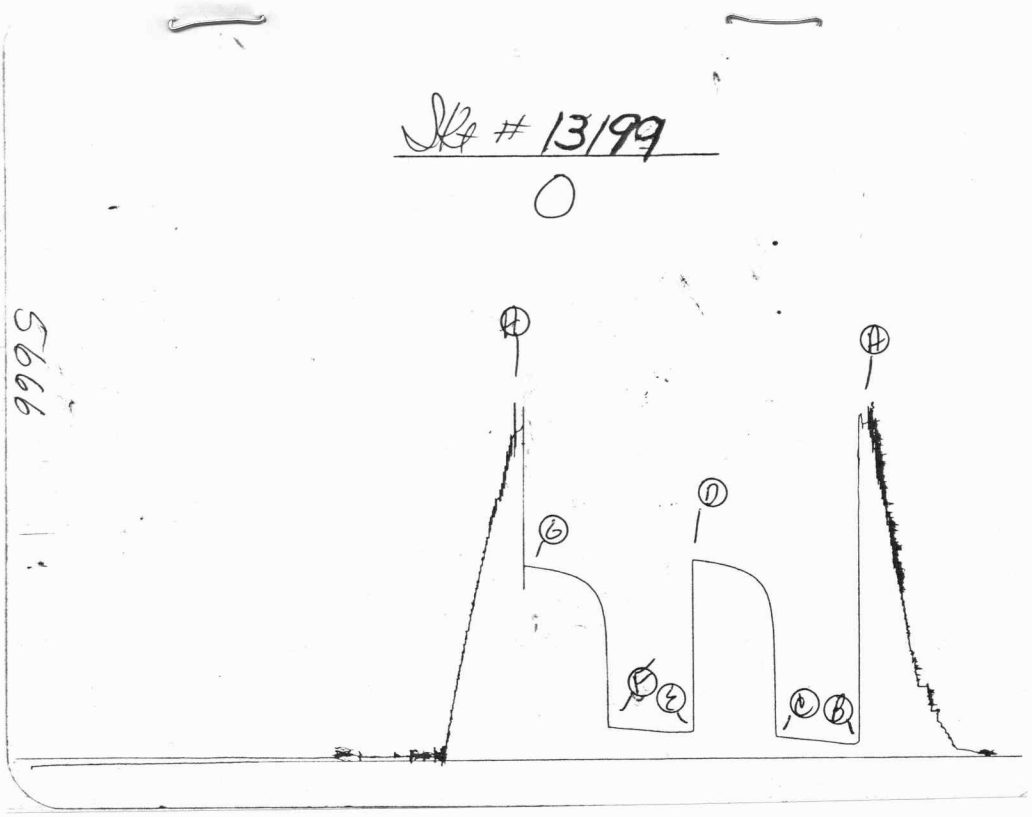
First Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 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: 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	72		0	112		0	141		0	167
P 2	5	72		3	757		5	141		3	745
P 3	10	72		6	847		10	141		6	825
P 4	15	77		9	890		15	141		9	867
P 5	20	83		12	912		20	141		12	892
P 6	25	87		15	936		25	143		15	914
P 7	30	90		18	951		30	147		18	926
P 8	35	94		21	964		35	151		21	938
P 9	40	97		24	974		40	153		24	950
P10	45	100		27	982		45	159		27	959
P11	50	105		30	992		50	160		30	967
P12	55	108		33	996		55	163		33	973
P13	60	112		36	1002		60	167		36	978
P14				39	1008					39	984
P15				42	1012					42	988
P16				45	1016					45	992
P17				48	1020					48	995
P18				51	1024					51	998
P19				54	1026					54	1002
P20				57	1028					57	1006
				60	1029					60	1007



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1725	1721	PSI
(B)	First Initial Flow Pressure	70	72	PSI
(C)	First Final Flow Pressure	120	112	PSI
(D)	Initial Closed-in Pressure	1025	1029	PSI
(E)	Second Initial Flow Pressure	140	141	PSI
(F)	Second Final Flow Pressure	165	167	PSI
(G)	Final Closed-in Pressure	1005	1007	PSI
(H)	Final Hydrostatic Mud	1715	1695	PSI

COMPANY Foreign Oil Company LEASE AND WELL NO. Pfannanstiel #2 SEC. 19 TWP. 26S RGE. 3E TEST NO. 2 DATE 3/2/82