4-15S-27W
C NW-SE

TESTERS WESTERN

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Petroleum Inc. Lease & Well No. Mahoney #1

Elevation 2461 Kelly Bushings Formation Kansas City Effective Pay Ft. Ticket No. 16692

Date 5-10-72 Sec. 4 Twp. 15S Range 27W County Gove State Kansas

Test Approved by Robert E. McCann Western Representative James W. Holloway

Formation Test No. 2 O.K. X Misrun Interval Tested From 3866' to 3879' Total Depth 3879'

Size Main Hole 7 7/8 Rat Hole Conv. B.T. X Damaged Yes No Conv. B.T. Damaged Yes No

Packer Depth 3866 Ft. Size 6 3/4" Packer Depth Ft. Size

Straddle Yes No X Conv. B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 13 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3871 Ft. Clock No. 9712 Depth 3873 Ft. Clock No. 6800

Top Make Kuster Cap 4500 No. 3086 Inside ~~Outside~~ Bottom Make Kuster Cap 4150 No. 1051 ~~Inside~~ Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside

Top Make Cap No. Inside Outside Bottom Make Cap No. Inside Outside

Time Set Packer 3:37 AM

Tool Open I.F.P. From 3:40 M. to 4:10A. M. Hr. 30 Min. From (B) 33 P.S.I. To (C) 33 P.S.I.

Tool Closed I.C.I.P. From 4:10 M. to 4:40A. M. Hr. 30 Min. (D) 1136 P.S.I.

Tool Open F.F.P. From 4:40 M. to 5:10A. M. Hr. 30 Min. From (E) 49 P.S.I. To (F) 39 P.S.I.

Tool Closed F.C.I.P. From 5:10 M. to 5:40A. M. Hr. 30 Min. (G) 1099 P.S.I.

Initial Hydrostatic Pressure (A) 2051 P.S.I. Final Hydrostatic Pressure (H) 2033 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Very weak for 30 min. Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 70 feet mud

Reversed Out Yes X No Mud Type Starch Viscosity 43 Weight 9.6 Water Loss 8.4 cc. Maximum Temp. 128 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers No Did Packer Hold? Yes Did Tool Plug? No Where?

Length Drill Pipe 2801 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I.D. Drill Collars in. Length D.S.T. Tool 28 ft.

Remarks Flush on final flow - no help

RECEIVED
JUN 8 1972
GREAT BEND
Division Office

WESTERN TESTING CO., INC.
Pressure Data

Date 5-10-72 Test Ticket No. 16692

Recorder No. 3086 Capacity 4500 Location 3871 Ft.

Clock No. 9712 Elevation 2461 Kelly Bushings Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2051 P.S.I.	Open Tool	3:40 A. M	
B First Initial Flow Pressure	33 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	33 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1136 P.S.I.	Second Flow Pressure	30 Mins.	28 Mins.
E Second Initial Flow Pressure	49 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	39 P.S.I.			
G Final Closed-in Pressure	1099 P.S.I.			
H Final Hydrostatic Mud	2033 P.S.I.			

PRESSURE BREAKDOWN

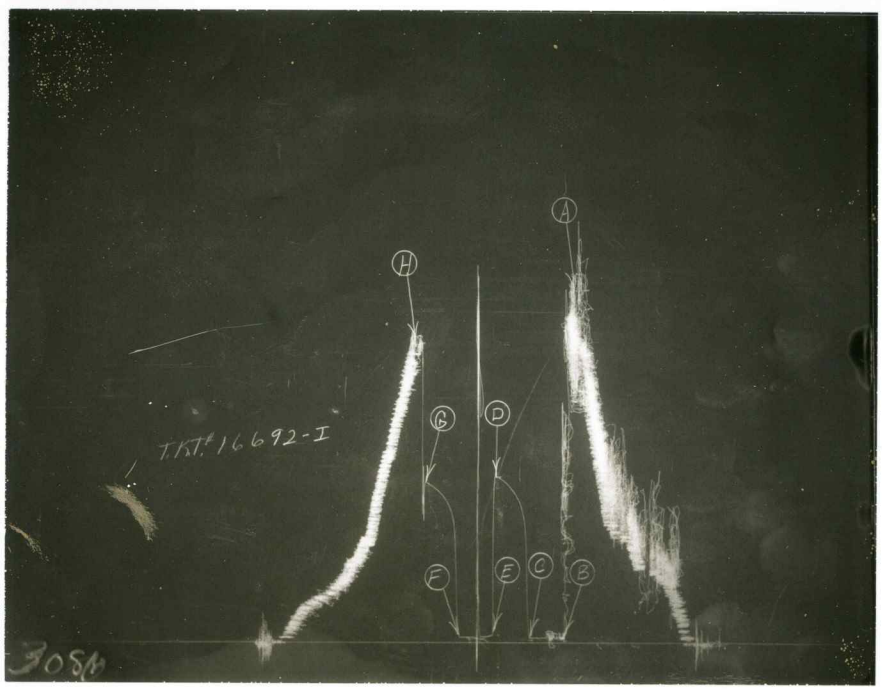
First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of ____ Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Second Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 3 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	33	0	33	0	49	0	39
P 2 5	33	3	497	5	42	3	324
P 3 10	33	6	863	10	42	6	816
P 4 15	33	9	946	15	Flush Tool	9	916
P 5 20	33	12	997	20	39	12	972
P 6 25	33	15	1037	25	39	15	1002
P 7 30	33	18	1067	28	39	18	1032
P 8		21	1095			21	1051
P 9		24	1113			24	1069
P10		27	1127			27	1088
P11		30	1136			30	1099
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2050	2051	PSI
(B)	First Initial Flow Pressure	35	33	PSI
(C)	First Final Flow Pressure	35	33	PSI
(D)	Initial Closed-in Pressure	1160	1136	PSI
(E)	Second Initial Flow Pressure	35	49	PSI
(F)	Second Final Flow Pressure	35	39	PSI
(G)	Final Closed-in Pressure	1102	1099	PSI
(H)	Final Hydrostatic Mud	2050	2033	PSI

COMPANY Petroleum Inc. LEASE AND WELL NO. Mahoney #1 SEC. 4 TWP. 15S RGE. 21W TEST NO. 2 DATE 5-10-

4-15S-27W
C NW-SE

WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Petroleum Inc. Lease & Well No. Mahoney #1

Elevation 2461 Kelly Bushings Formation Kansas City Effective Pay Ft. Ticket No. 16693

Date 5-11-72 Sec. 4 Twp. 15S Range 27W County Gove State Kansas

Test Approved by Robert E. McCann Western Representative James Holloway

Formation Test No. 3 O.K. X Misrun Interval Tested From 3909' to 3970' Total Depth 3970'

Size Main Hole 7 7/8" Rat Hole Conv. B.T. X Damaged Yes X No Conv. B.T. Damaged Yes No

Packer Depth 3909 Ft. Size 6 3/4" Packer Depth Ft. Size

Straddle Yes No X Conv. B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 61 Ft. Size 5 1/2" O.D.

RECORDERS Depth 3962 Ft. Clock No. 9712 Depth 3964 Ft. Clock No. 6800

Top Make Kuster Cap 4500 No. 3086 Inside Outside Bottom Make Kuster Cap 4250 No. 1051 Inside Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside

Top Make Cap No. Inside Outside Bottom Make Cap No. Inside Outside

Time Set Packer 2:52 AM

Tool Open I.F.P. From 2:55 M. to 3:25A M. Hr. 30 Min. From (B) 41 P.S.I. To (C) 78 P.S.I.

Tool Closed I.C.I.P. From 3:25 M. to 3:55A. M. Hr. 30 Min. (D) 932 P.S.I.

Tool Open F.F.P. From 3:55 M. to 4:25A. M. Hr. 30 Min. From (E) 97 P.S.I. To (F) 119 P.S.I.

Tool Closed F.C.I.P. From 4:25 M. to 4:55A. M. Hr. 30 Min. (G) 907 P.S.I.

Initial Hydrostatic Pressure (A) 2223 P.S.I. Final Hydrostatic Pressure (H) 2211 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Fair increasing to good Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 180 feet muddy salt water with trace of oil on top

Reversed Out Yes X No Mud Type Starch Viscosity 44 Weight 9.7 Water Loss 8.0 cc. Maximum Temp. 123 °F

Type Circ. Sub. Plug Safety Joint No Jars: Size Make Ser. No.

EXTRA EQUIPMENT: Dual Packers No Did Packer Hold? Yes Did Tool Plug? No Where?

Length Drill Pipe 2759 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I.D. Drill Collars in. Length D.S.T. Tool 61 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 5-11-72 Test Ticket No. 16693

Recorder No. 3086 Capacity 4500 Location 3962 Ft.

Clock No. 9712 Elevation 2461 Kelly Bushings Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2223 P.S.I.	Open Tool	2:55 A. M	
B First Initial Flow Pressure	41 P.S.I.	First Flow Pressure	30 Mins.	29 Mins.
C First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	932 P.S.I.	Second Flow Pressure	30 Mins.	28 Mins.
E Second Initial Flow Pressure	97 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	119 P.S.I.			
G Final Closed-in Pressure	907 P.S.I.			
H Final Hydrostatic Mud	2211 P.S.I.			

PRESSURE BREAKDOWN

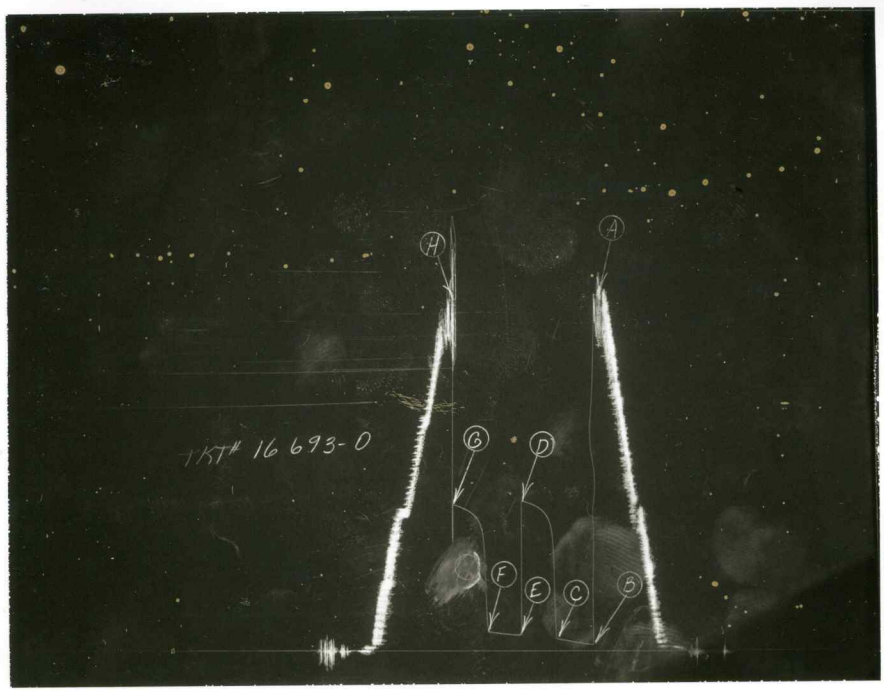
First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 4 Min.

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Second Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 3 Min.

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of ____ Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	41		0	78		0	97		0	119
P 2	5	46		3	383		5	97		3	516
P 3	10	52		6	769		10	101		6	776
P 4	15	59		9	834		15	104		9	811
P 5	20	66		12	862		20	105		12	843
P 6	25	71		15	886		25	116		15	857
P 7	29	78		18	897		28	119		18	874
P 8				21	909					21	886
P 9				24	918					24	895
P10				27	927					27	902
P11				30	932					30	907
P12											
P13											
P14											
P15											
P16											
P17											
P18											
P19											
P20											



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2176	2223	PSI
(B)	First Initial Flow Pressure	35	41	PSI
(C)	First Final Flow Pressure	71	78	PSI
(D)	Initial Closed-in Pressure	939	932	PSI
(E)	Second Initial Flow Pressure	95	97	PSI
(F)	Second Final Flow Pressure	118	119	PSI
(G)	Final Closed-in Pressure	904	907	PSI
(H)	Final Hydrostatic Mud	2170	2211	PSI

COMPANY Petroleum Inc. LEASE AND WELL NO. Mahoney #1 SEC. 4 TWP. 15S RGE. 27W TEST NO. 3 DATE 5-11-72