Ricketts Testing, Inc.

ORIGINAL

Company CAMIO OIL COMPANY — Lease & Well No. YOUNG #4

Elevation 1553 G.L. — Formation MISSISSIPPI — Effective Pay ____ ft. — Ticket No. 1818

Date 6-6-96 — Sec. 30 — Twp. 29 — Range 8E — County BUTLER — State KANSAS

Test Approved by JOE BAKER — Ricketts Representative JIM RICKETTS

Formation Test No. 1 — Interval Tested from 2819 ft. to 2834 ft. — Total Depth 2834 ft.

Packer Depth 2819 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Packer Depth 2816 ft. — Size 6 3/4 in. — Packer Depth ____ ft. — Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2824 ft. — Recorder Number 13307 — Cap. 4650

Bottom Recorder Depth (Outside) 2827 ft. — Recorder Number 13306 — Cap. 4625

Below Straddle Recorder Depth ____ ft. — Recorder Number ____ — Cap. ____

Drilling Contractor Glaves Drilling Rig #2 — Drill Collar Length 180 — I.D. 2.25 in.

Mud Type Chemical — Viscosity 42 — Weight Pipe Length ____ — I.D. ____ in.

Weight 9.6 — Water Loss 10.4 cc. — Drill Pipe Length 2619 — I.D. 3.25 in.

Chlorides 800 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½ in.

Jars: Make ____ — Serial Number ____ — Anchor Length 15 ft. — Size 5½ in.

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

Gravity Oil ____ — Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: No blow. Flushed tool - good surge, no blow.

Recovered 5 ft. of Mud, 6 specks of oil.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

Time Set Packer (s) 4:38 P M. — Time Started Off Bottom 6:26 P M. — Maximum Temperature 99°

Initial Hydrostatic Pressure		(A)	1469	P.S.I.
Initial Flow Period	Minutes 20	(B)	30	P.S.I. to
		(C)	39	P.S.I.
Initial Closed In Period	Minutes 15	(D)	301	P.S.I.
Final Flow Period	Minutes 30	(E)	40	P.S.I. to
		(F)	40	P.S.I.
Final Closed In Period	Minutes 45	(G)	689	P.S.I.
Final Hydrostatic Pressure		(H)	1456	P.S.I.

Pressure Data

Date 6-6-96 Test Ticket No 1818

Recorder No 13307 Capacity 4650 Location 2824 Ft.

Clock No Elevation 1553 G.L. Well Temperature 99 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1469 P.S.I.		Open Tool	4:38 PM	
B	First Initial Flow Pressure	30 P.S.I.		First Flow Pressure	15 Mins.	20 Mins.
C	First Final Flow Pressure	39 P.S.I.		Initial Closed-in Pressure	15 Mins.	15 Mins.
D	Initial Closed-in Pressure	301 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	40 P.S.I.		Final Closed-in Pressure	45 Mins.	45 Mins.
F	Second Final Flow Pressure	40 P.S.I.				
G	Final Closed-in Pressure	689 P.S.I.				
H	Final Hydrostatic Mud	1456 P.S.I.				

*Tool pick up too high on Final Shut In

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	30
P 2	5	30 flushed tool
P 3	10	39
P 4	15	39
P 5	20	39
P 6	25	
P 7	30	
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	

Initial Shut-In
Breakdown: 5 Inc. of 3 mins. and a final inc. of ____ Min.

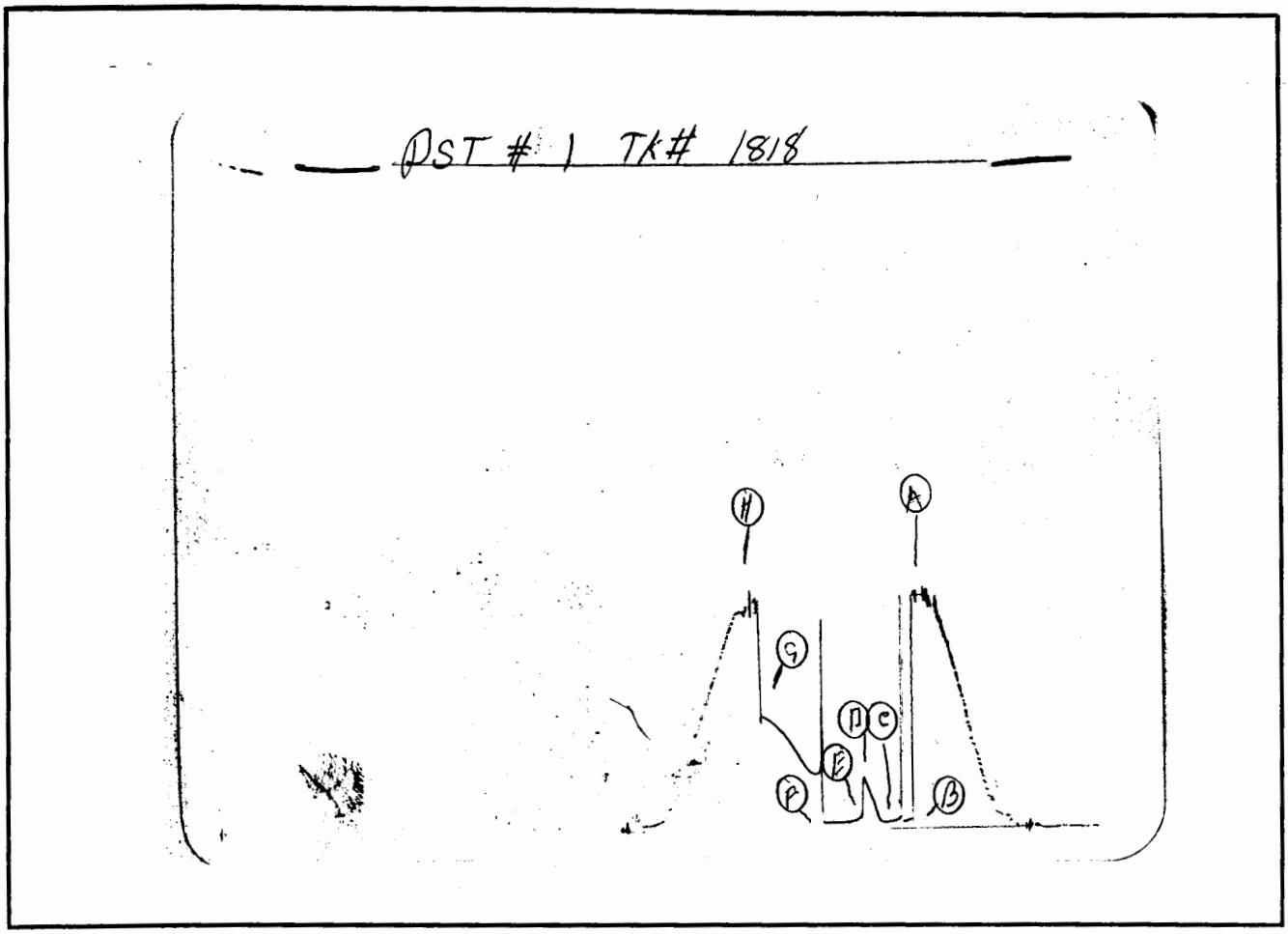
Point	Minutes	Press.
	0	39
	3	58
	6	134
	9	210
	12	245
	15	301
	18	
	21	
	24	
	27	
	30	
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	

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

Point	Minutes	Press.
	0	40
	5	40
	10	40
	15	40
	20	40
	25	40
	30	40
	35	
	40	
	45	
	50	
	55	
	60	
	65	
	70	
	75	
	80	
	85	
	90	

Final Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of ____ Min.

Point	Minutes	Press.
	0	40*
	3	289*
	6	324*
	9	350*
	12	371
	15	408
	18	452
	21	491
	24	540
	27	571
	30	605
	33	629
	36	649
	39	670
	42	680
	45	689
	48	
	51	
	54	
	57	
	60	



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1470	1469	PSI
(B)	First Initial Flow Pressure	35	30	PSI
(C)	First Final Flow Pressure	46	39	PSI
(D)	Initial Closed-in Pressure	320	301	PSI
(E)	Second Initial Flow Pressure	46	40	PSI
(F)	Second Final Flow Pressure	46	40	PSI
(G)	Final Closed-in Pressure	689	684	PSI
(H)	Final Hydrostatic Mud	1447	1456	PSI