



# Ricketts Testing

Company HAR-KEN AGENT OK Lease & Well No. METZINGER #1  
 Elevation 1141 G.L. Formation MISSISSIPPI Effective Pay \_\_\_\_\_ ft. Ticket No. 1586  
 Date 6-1-91 Sec. 5 Twp. 35 Range 3W County SUMNER State KANSAS  
 Test Approved by ARDEN RATZLAFF Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 4364 ft. to 4377 ft. Total Depth 4377 ft.

Packer Depth 4364 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4361 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4369 ft. Recorder Number 13307 Cap. 4650

Bottom Recorder Depth (Outside) 4372 ft. Recorder Number 13306 Cap. 4625

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Brandt Drilling Rig #1 Drill Collar Length 435 I.D. 2.25 in.

Mud Type Chemical Viscosity 46 Weight Pipe Length \_\_\_\_\_ I.D. \_\_\_\_\_ in.

Weight 9.3 Water Loss 12.8 cc. Drill Pipe Length 3902 I.D. 3.25 in.

Chlorides 9,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Jars: Make Dowing Serial Number 404 Anchor Length 13 ft. Size 5 1/2 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 4 1/2 in.

Blow: Weak blow building to 3" in water Initial Flow Period.

Weak blow building to a strong blow in 55 minutes Final Flow Period.

Recovered 420 ft. of Gas in pipe.

Recovered 60 ft. of Mud with a trace of oil.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer (s) 3:42 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 6:57 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 132°

Initial Hydrostatic Pressure ..... (A) 2179 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 81 P.S.I. to  
 (C) 81 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 134 P.S.I.

Final Flow Period ..... Minutes 60 (E) 81 P.S.I. to  
 (F) 81 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 175 P.S.I.

Final Hydrostatic Pressure ..... (H) 2164 P.S.I.

**K C G**  
 AUG 28 1991  
 AUG 20 1994

# RICKETTS TESTING

## Pressure Data

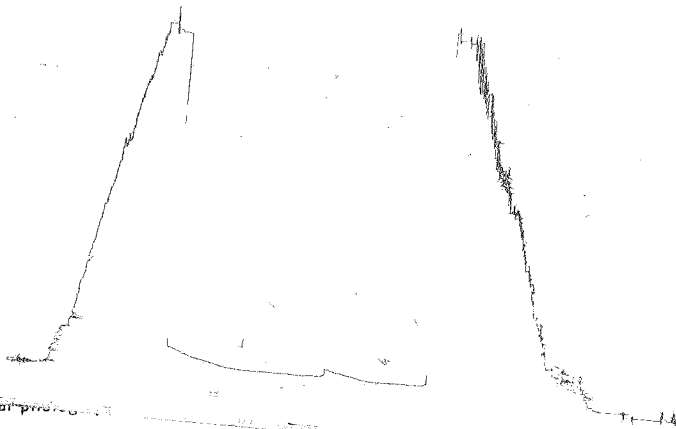
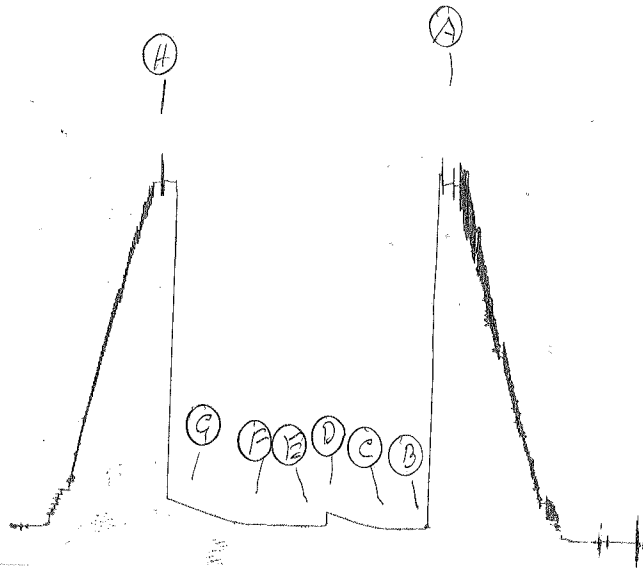
Date 6-1-91 Test Ticket No. 1586  
 Recorder No. 13307 Capacity 4650 Location 4369 Ft.  
 Clock No. \_\_\_\_\_ Elevation 1141 G.L. Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2179	P.S.I.	3:42	A M
B First Initial Flow Pressure	81	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	81	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	134	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	81	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	81	P.S.I.		
G Final Closed-in Pressure	175	P.S.I.		
H Final Hydrostatic Mud	2164	P.S.I.		

### PRESSURE BREAKDOWN

	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	81	0	81	0	81
P 2	5	81	3	81	5	81
P 3	10	81	6	84	10	81
P 4	15	81	9	86	15	81
P 5	20	81	12	88	20	81
P 6	25	81	15	90	25	81
P 7	30	81	18	92	30	81
P 8	35		21	95	35	81
P 9	40		24	98	40	81
P10	45		27	102	45	81
P11	50		30	108	50	81
P12	55		33	117	55	81
P13	60		36	122	60	81
P14	65		39	126	65	
P15	70		42	129	70	
P16	75		45	134	75	
P17	80		48		80	
P18	85		51		85	
P19	90		54		90	
P20	95		57		95	
			60		60	185

DST #1 TK# 1586



This is an actual pressure

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2181	2179	PSI
(B) First Initial Flow Pressure	69	81	PSI
(C) First Final Flow Pressure	69	81	PSI
(D) Initial Closed-in Pressure	139	134	PSI
(E) Second Initial Flow Pressure	81	81	PSI
(F) Second Final Flow Pressure	81	81	PSI
(G) Final Closed-in Pressure	197	175	PSI
(H) Final Hydrostatic Mud	2158	2164	PSI