



Ricketts Testing, Inc.

ORIGINAL

Company JAED PRODUCTION CO., INC. Lease & Well No. STUCKEY #7
Elevation 1475 K.B. Formation ARBUCKLE Effective Pay _____ ft. Ticket No. 1905
Date 7-27-98 Sec. 28 Twp. 20S Range 3W County MCPHERSON State KANSAS
Test Approved by _____ Ricketts Representative JIM RICKETTS
Formation Test No. 1 Interval Tested from 3381 ft. to 3387 ft. Total Depth 3387 ft.
Packer Depth 3381 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3378 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3384 ft. Recorder Number 13306 Cap. 4625
Bottom Recorder Depth (Outside) 3385 ft. Recorder Number 13565 Cap. 4475
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Berentz Drilling Rig #7 Drill Collar Length 302 I.D. 2.25 in.
Mud Type Chemical Viscosity 52 Weight Pipe Length _____ I.D. _____ in.
Weight 9.5 Water Loss 10.0 cc. Drill Pipe Length 3059 I.D. 3.25 in.
Chlorides 3000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make _____ Serial Number _____ Anchor Length 6 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.
Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x h in.

Blow: Strong blow throughout test.

Recovered 670 ft. of Free Oil.
Recovered 230 ft. of Gas in pipe.
Recovered 660 ft. of Salt water.

ORIGINAL

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

Time Set Packer (s) 12:33 A M. Time Started Off Bottom 1:33 A M. Maximum Temperature 122°
Initial Hydrostatic Pressure _____ (A) 1704 P.S.I.
Initial Flow Period _____ Minutes 15 (B) 188 P.S.I. to
(C) 302 P.S.I.
Initial Closed In Period _____ Minutes 15 (D) 1295 P.S.I.
Final Flow Period _____ Minutes 15 (E) 442 P.S.I. to
(F) 514 P.S.I.
Final Closed In Period _____ Minutes 15 (G) 1300 P.S.I.
Final Hydrostatic Pressure _____ (H) 1680 P.S.I.

RICKETTS TESTING, INC.

Pressure Data

Date 7-27-98 Test Ticket No. 1905
 Recorder No. 13306 Capacity 4625 Location 3384 Ft.
 Clock No. Elevation 1475 K.B. Well Temperature 122 °F

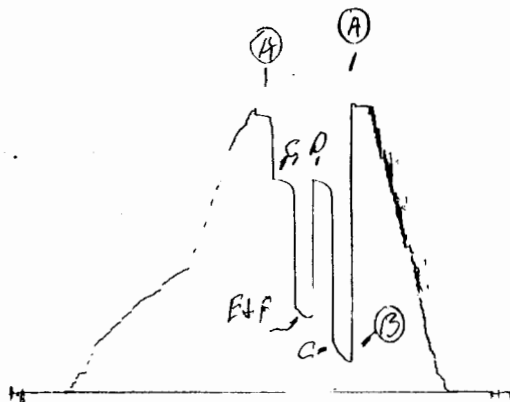
Point	Pressure	Time Given 12:33	Time Computed
A Initial Hydrostatic Mud <u>1704</u> P.S.I.			
B First Initial Flow Pressure <u>188</u> P.S.I.			
C First Final Flow Pressure <u>302</u> P.S.I.			
D Initial Closed-in Pressure <u>1295</u> P.S.I.			
E Second Initial Flow Pressure <u>442</u> P.S.I.			
F Second Final Flow Pressure <u>514</u> P.S.I.			
G Final Closed-in Pressure <u>1300</u> P.S.I.			
H Final Hydrostatic Mud <u>1680</u> P.S.I.			

Open Tool
 First Flow Pressure 15 Mins. 15 Mins.
 Initial Closed-in Pressure 15 Mins. 15 Mins.
 Second Flow Pressure 15 Mins. 15 Mins.
 Final Closed-in Pressure 15 Mins. 15 Mins.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Initial Shut-In Breakdown: <u>5</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.		Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u> </u> Min.		Final Shut-In Breakdown: <u>5</u> Inc. of <u>3</u> mins. and a final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	188	0	302	0	442	0	514
P 2 5	197	3	1264	5	457	3	1266
P 3 10	237	6	1277	10	490	6	1282
P 4 15	302	9	1286	15	514	9	1291
P 5 20		12	1291	20		12	1296
P 6 25		15	1295	25		15	1300
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57				57	
		60				60	

DST #1 TK# 1905



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1693	1704	PSI
(B) First Initial Flow Pressure	193	188	PSI
(C) First Final Flow Pressure	306	302	PSI
(D) Initial Closed-in Pressure	1277	1295	PSI
(E) Second Initial Flow Pressure	433	442	PSI
(F) Second Final Flow Pressure	477	514	PSI
(G) Final Closed-in Pressure	1277	1300	PSI
(H) Final Hydrostatic Mud	1682	1680	PSI



Ricketts Testing, Inc.

ORIGINAL

Company JAED PRODUCTION CO., INC. Lease & Well No. STUCKEY #7
Elevation 1475 K.B. Formation ARBUCKLE Effective Pay _____ ft. Ticket No. 1906
Date 7-27-98 Sec. 28 Twp. 20S Range 3W County MCPHERSON State KANSAS
Test Approved by _____ Ricketts Representative JIM RICKETTS
Formation Test No. 2 Interval Tested from 3439 ft. to 3449 ft. Total Depth 3449 ft.
Packer Depth 3439 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3436 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3444 ft. Recorder Number 13306 Cap. 4625
Bottom Recorder Depth (Outside) 3447 ft. Recorder Number 13565 Cap. 4475
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Berentz Drilling Rig #7 Drill Collar Length 302 I.D. 2.25 in.
Mud Type Chemical Viscosity 52 Weight Pipe Length _____ I.D. _____ in.
Weight 9.5 Water Loss 10.0 cc. Drill Pipe Length 3117 I.D. 3.25 in.
Chlorides 4200 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make _____ Serial Number _____ Anchor Length 10 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.
Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow throughout test.

Recovered 1350 ft. of Oil cut water. 10% Oil

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 7:10 P.M. Time Started Off Bottom 7:55 P. M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1762 P.S.I.
Initial Flow Period.....Minutes 30 (B) 211 P.S.I. to
(C) 580 P.S.I.
Initial Closed In Period.....Minutes 15 (D) 1327 P.S.I.
Final Flow Period.....Minutes _____ (E) Not taken P.S.I. to
(F) _____ P.S.I.
Final Closed In Period.....Minutes _____ (G) Not taken P.S.I.
Final Hydrostatic Pressure.....(H) 1745 P.S.I.

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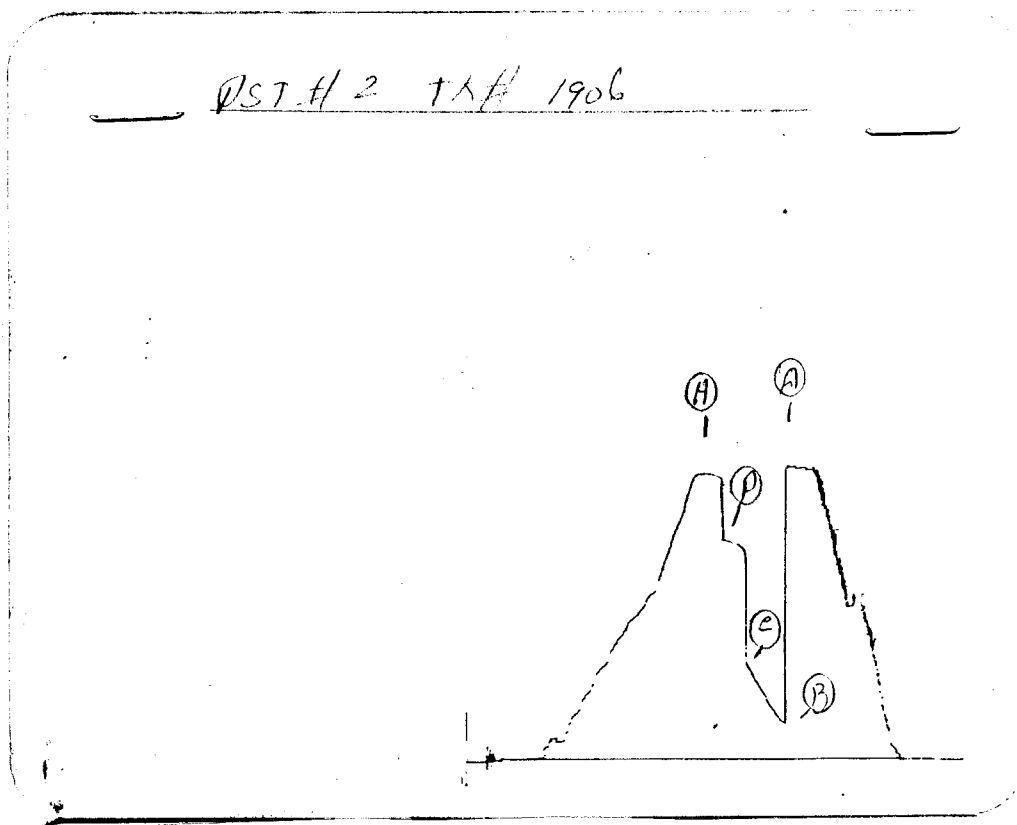
Pressure Data

Date 7-27-98 Test Ticket No. 1906
 Recorder No. 13306 Capacity 4625 Location 3444 Ft.
 Clock No. _____ Elevation 1475 K.B. Well Temperature 110 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1762</u> P.S.I.	<u>7:10</u> P	<u>M</u>
B First Initial Flow Pressure	<u>211</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>580</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>1327</u> P.S.I.	<u>N/T</u> Mins.	<u>N/T</u> Mins.
E Second Initial Flow Pressure	<u>Not taken</u> P.S.I.	<u>N/T</u> Mins.	<u>N/T</u> Mins.
F Second Final Flow Pressure	<u>Not taken</u> P.S.I.		
G Final Closed-in Pressure	<u>Not taken</u> P.S.I.		
H Final Hydrostatic Mud	<u>1745</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	211	0	580	0		0	
P 2 5	242	3	1282	5		3	
P 3 10	302	6	1300	10		6	
P 4 15	362	9	1311	15		9	
P 5 20	435	12	1320	20		12	
P 6 25	506	15	1327	25		15	
P 7 30	580	18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57				57	
		60				60	



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1745	1762	PSI
(B) First Initial Flow Pressure	223	211	PSI
(C) First Final Flow Pressure	578	280	PSI
(D) Initial Closed-in Pressure	1450	1327	PSI
(E) Second Initial Flow Pressure	Not taken		PSI
(F) Second Final Flow Pressure	Not taken		PSI
(G) Final Closed-in Pressure	Not taken		PSI
(H) Final Hydrostatic Mud	1737	1745	PSI