

Company Damson Oil Corporation Lease & Well No. Billy Jack Graves #3  
 Elevation -- Formation Mississippi Effective Pay -- Ft. Ticket No. 2892  
 Date 9/8/79 Sec. 7 Twp. 35S Range 12W County Barber State Kansas  
 Test Approved by Bruce Battenfield Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 4834 ft. to 4855 ft. Total Depth 4855 ft.  
 Packer Depth 4829 ft. Size 6 3/4 in. Packer Depth 4834 ft. Size 6 3/4 in.  
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4845 ft. Recorder Number 3474 Cap. 3000  
 Bottom Recorder Depth (Outside) 4848 ft. Recorder Number 3659 Cap. 4000  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor Union Drilling Rig #1 Drill Collar Length 480 I. D. 2.7 in.  
 Mud Type drispac Viscosity 60 Weight Pipe Length 120 I. D. 2.8 in.  
 Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length 4208 I. D. 3.8 in.  
 Chlorides 13,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WTC Serial Number 411 Anchor Length 21 ft. Size 5 1/2 OD 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 FH in.

Flow: Fair, Increased to good in twenty minutes on first flow period. Very good throughout second opening.

Recovered 460 ft. of gas in pipe  
 Recovered 40 ft. of very slightly oil and gas cut mud  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of     

Remarks:     

Time Set Packer(s) 2:13 ~~A.M.~~ P.M. Time Started Off Bottom 7:15 ~~A.M.~~ P.M. Maximum Temperature 127  
 Initial Hydrostatic Pressure 2419 (A) P.S.I.  
 Initial Flow Period 30 Minutes (B) 47 P.S.I. to (C) 38 P.S.I.  
 Initial Closed In Period 60 Minutes (D) 205 P.S.I.  
 Final Flow Period 90 Minutes (E) 50 P.S.I. to (F) 45 P.S.I.  
 Final Closed In Period 117 Minutes (G) 356 P.S.I.  
 Final Hydrostatic Pressure 2355 (H) P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 9/8/79 Test Ticket No. 2892  
 Recorder No. 3474 Capacity 3000 Location 4845 Ft.  
 Clock No. -- Elevation -- Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2419	P.S.I.	2:13P	M
B First Initial Flow Pressure	47	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	38	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	205	P.S.I.	90	Mins. 90 Mins.
E Second Initial Flow Pressure	50	P.S.I.	120	Mins. 117 Mins.
F Second Final Flow Pressure	45	P.S.I.		
G Final Closed-in Pressure	356	P.S.I.		
H Final Hydrostatic Mud	2355	P.S.I.		

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>39</u> 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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	47	0	38	0	50	45
P 2	5	44	3	42	5	48	53
P 3	10	39	6	48	10	44	61
P 4	15	38	9	56	15	44	68
P 5	20	38	12	65	20	44	77
P 6	25	38	15	71	25	44	85
P 7	30	38	18	79	30	44	94
P 8			21	86	35	44	103
P 9			24	95	40	45	110
P10			27	106	45	45	118
P11			30	114	50	45	127
P12			33	123	55	45	138
P13			36	133	60	45	146
P14			39	144	65	45	154
P15			42	152	70	45	162
P16			45	162	75	45	171
P17			48	173	80	45	180
P18			51	182	85	45	188
P19			54	189	90	45	196
P20			57	195			207
			60	205			212

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 9/8/79 Test Ticket No. 2892  
 Recorder No. 3474 Capacity 3000 Location 4845 Ft.  
 Clock No. -- Elevation -- Well Temperature 127 °F

Point	Pressure	P.S.I.	Open Tool	Time Given		Time Computed	
				M	Sec	M	Sec
A Initial Hydrostatic Mud	2419	P.S.I.	Open Tool	2:13P			
B First Initial Flow Pressure	47	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C First Final Flow Pressure	38	P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D Initial Closed-in Pressure	205	P.S.I.	Second Flow Pressure	90	Mins.	90	Mins.
E Second Initial Flow Pressure	50	P.S.I.	Final Closed-in Pressure	120	Mins.	117	Mins.
F Second Final Flow Pressure	45	P.S.I.					
G Final Closed-in Pressure	356	P.S.I.					
H Final Hydrostatic Mud	2355	P.S.I.					

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1						63	220	
P 2						66	229	
P 3						69	237	
P 4						72	246	
P 5						75	252	
P 6						78	261	
P 7						81	268	
P 8						84	275	
P 9						87	284	
P10						90	292	
P11						93	302	
P12						96	309	
P13						99	318	
P14						102	324	
P15						105	330	
P16						108	341	
P17						111	347	
P18						114	353	
P19						117	356	
P20								

TRT# 2892  
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(H)

(G)

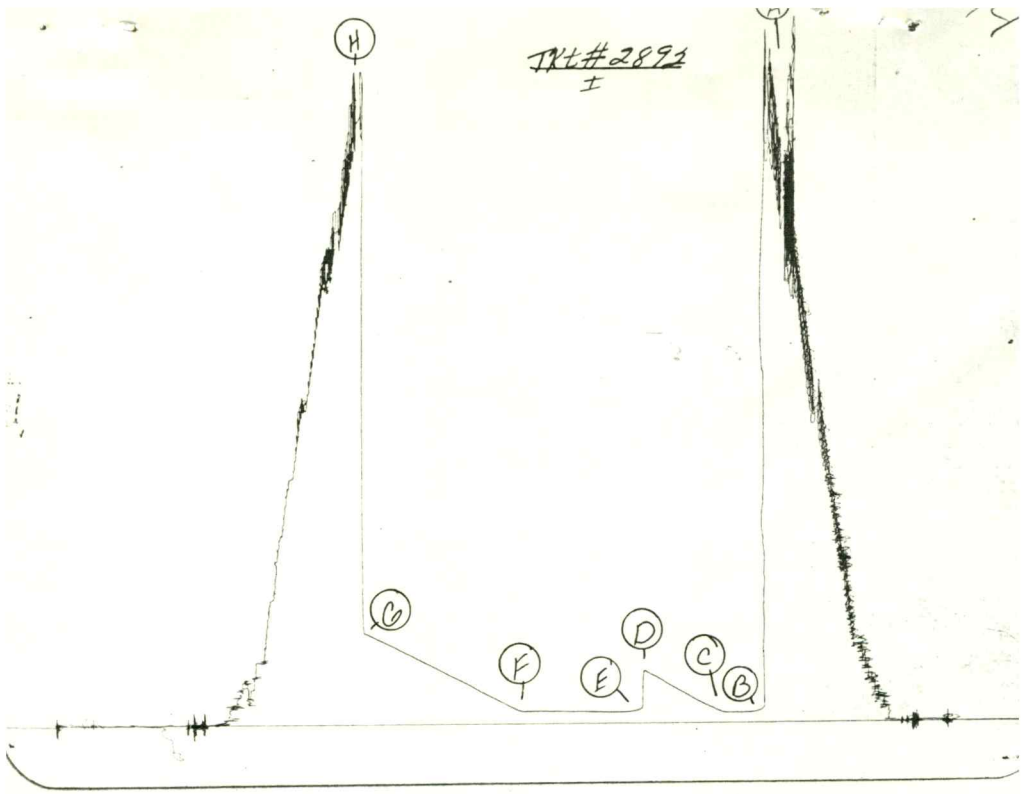
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(E)

(D)

(C)

(B)



Company Damson Oil Corporation Lease & Well No. Billy Jack Graves #3  
 Elevation -- Formation Mississippi Effective Pay --- Ft. Ticket No. 2893  
 Date 9/9/79 Sec. 7 Twp. 35S Range 12W County Barber State Kansas  
 Test Approved by Gordon W. Keen Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 4856 ft. to 4935 ft. Total Depth 4935 ft.  
 Packer Depth 4851 ft. Size 6 3/4 in. Packer Depth 4856 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4860 ft. Recorder Number 3474 Cap. 3000  
 Bottom Recorder Depth (Outside) 4863 ft. Recorder Number 3659 Cap. 4000  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Union Drilling Co. Rig #1 Drill Collar Length 480 I. D. 2.7 in.  
 Mud Type drispac Viscosity 65 Weight Pipe Length 120 I. D. 2.8 in.  
 Weight 9.3 Water Loss 8.4 cc. Drill Pipe Length 4230 I. D. 3.8 in.  
 Chlorides 13,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WTC Serial Number 411 Anchor Length 79 ft. Size 5 1/2 OD 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 FH in.

Blow: Fair. Increasing to 2" by end of first flow period. Fair; slightly decreasing throughout second opening.

Recovered 160 ft. of gas in pipe  
 Recovered 20 ft. of gas cut mud with few spots of oil  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks:    

Time Set Packer(s) 10:58 A.M. Time Started Off Bottom 4:00 A.M. Maximum Temperature 128  
P.M.  
 Initial Hydrostatic Pressure     (A) 2316 P.S.I.  
 Initial Flow Period     Minutes 30 (B) 52 P.S.I. to (C) 38 P.S.I.  
 Initial Closed In Period     Minutes 60 (D) 97 P.S.I.  
 Final Flow Period     Minutes 90 (E) 55 P.S.I. to (F) 45 P.S.I.  
 Final Closed In Period     Minutes 120 (G) 91 P.S.I.  
 Final Hydrostatic Pressure     (H) 2302 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 9/9/79

Test Ticket No. 2893

Recorder No. 3474

Capacity 3000

Location 4860 Ft.

Clock No. -- Elevation --

Well Temperature 128 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2316	P.S.I.	Open Tool	10:58A M	
B First Initial Flow Pressure	52	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	38	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	97	P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	55	P.S.I.	Final Closed-in Pressure	120 Mins.	120 Mins.
F Second Final Flow Pressure	45	P.S.I.			
G Final Closed-in Pressure	91	P.S.I.			
H Final Hydrostatic Mud	2302	P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
Breakdown: 6 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: 18 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

**Final Shut-In**  
Breakdown: 40 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	52	0	38	0	55	0	45
P 2 5	45	3	38	5	48	3	47
P 3 10	41	6	39	10	42	6	48
P 4 15	38	9	42	15	42	9	50
P 5 20	38	12	45	20	42	12	52
P 6 25	38	15	50	25	42	15	53
P 7 30	38	18	53	30	42	18	54
P 8		21	58	35	42	21	55
P 9		24	61	40	42	24	56
P10		27	65	45	42	27	57
P11		30	68	50	42	30	58
P12		33	72	55	42	33	59
P13		36	76	60	42	36	60
P14		39	79	65	42	39	62
P15		42	83	70	42	42	63
P16		45	86	75	42	45	64
P17		48	90	80	42	48	65
P18		51	91	85	44	51	66
P19		54	93	90	45	54	67
P20		57	95			57	69
		60	97			60	70

WESTERN TESTING CO., INC.

Pressure Data

Date 9/9/79 Test Ticket No. 2893  
 Recorder No. 3474 Capacity 3000 Location 4860 Ft.  
 Clock No. -- Elevation -- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2316	P.S.I.	10:58A	M
B First Initial Flow Pressure	52	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	38	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	97	P.S.I.	90	Mins. 90 Mins.
E Second Initial Flow Pressure	55	P.S.I.	120	Mins. 120 Mins.
F Second Final Flow Pressure	45	P.S.I.		
G Final Closed-in Pressure	91	P.S.I.		
H Final Hydrostatic Mud	2302	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 5 mins. and a	6	of 3 mins. and a	20	of 5 mins. and a	18	of 3 mins. and a	40
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1						63	70	
P 2						66	71	
P 3						69	72	
P 4						72	73	
P 5						75	73	
P 6						78	74	
P 7						81	75	
P 8						84	75	
P 9						87	76	
P10						90	77	
P11						93	78	
P12						96	80	
P13						99	82	
P14						102	84	
P15						105	86	
P16						108	87	
P17						111	88	
P18						114	89	
P19						117	90	
P20						120	91	

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TRK #2893  
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