

Company Keener Oil Company Lease & Well No. Billie Jean Lasater #1  
 Est. 2845 Kelly Bushing Marmaton Effective Pay -- Ft. Ticket No. 2233  
 Elevation 9/21/79 Sec. 27 Twp. 19S Range 29W County Lane State Kansas  
 Date 9/21/79 Test Approved by Gerald B. Becker Western Representative Randy Lackey

Formation Test No. 2 Interval Tested from 4412 ft. to 4491 ft. Total Depth 4491 ft.  
 Packer Depth 4407 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4412 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4482 ft. Recorder Number 3473 Cap. 4000 PSI  
 Bottom Recorder Depth (Outside) 4485 ft. Recorder Number 2608 Cap. 4150 PSI  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Warrior Drilling Drill Collar Length - I. D. - in.  
 Mud Type drispac Viscosity 47 Weight Pipe Length 253 I. D. 2.76 in.  
 Weight 9.6 Water Loss 8.0 cc. Drill Pipe Length 3888 I. D. 3.8 in.  
 Chlorides 7,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 in.  
 Jars: Make WTC Serial Number 408 Anchor Length 79 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 FH in.

Blow: Very weak throughout Initial Flow Period.

Recovered 30 ft. of mud with very slight trace of oil = .22 bbls.  
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of         
 Recovered        ft. of       

Remarks: Tool turned going into hole, changed, normal sequence.

Time Set Packer(s) 1:11 ~~A.M.~~ P.M. Time Started Off Bottom 4:45 ~~A.M.~~ P.M. Maximum Temperature 126  
 Initial Hydrostatic Pressure 2271 P.S.I. (A)  
 Initial Flow Period 60 Minutes (B) 84 P.S.I. to (C) 77 P.S.I.  
 Initial Closed In Period 120 Minutes (D) 486 P.S.I.  
 Final Flow Period -- Minutes (E) -- P.S.I. to (F) -- P.S.I.  
 Final Closed In Period -- Minutes (G) -- P.S.I.  
 Final Hydrostatic Pressure 2241 P.S.I. (H)

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

Date 9/21/79 Test Ticket No. 2233  
 Recorder No. 3473 Capacity 4000 Location 4480 Ft.  
 Clock No. -- Elevation Est. 2845 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2271	P.S.I.	1:11P	M
B First Initial Flow Pressure	84	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	77	P.S.I.	120	Mins. 120 Mins.
D Initial Closed-in Pressure	486	P.S.I.	--	Mins. -- Mins.
E Second Initial Flow Pressure	--	P.S.I.	--	Mins. -- Mins.
F Second Final Flow Pressure	--	P.S.I.		
G Final Closed-in Pressure	--	P.S.I.		
H Final Hydrostatic Mud	2241	P.S.I.		

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 12 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 40 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

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

**Final Shut-In**  
 Breakdown: 0 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	84	0	77			
P 2	5	80	3	285			
P 3	10	72	6	387			
P 4	15	68	9	418			
P 5	20	68	12	439			
P 6	25	68	15	449			
P 7	30	68	18	455			
P 8	35	72	21	459			
P 9	40	72	24	464			
P10	45	72	27	467			
P11	50	75	30	471			
P12	55	77	33	473			
P13	60	77	36	474			
P14			39	475			
P15			42	476			
P16			45	477			
P17			48	477			
P18			51	477			
P19			54	477			
P20			57	477			
			60	477			

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 Recorder No. 3473 Capacity 4000 Location 4480 Ft.  
 Clock No. -- Elevation Est. 2845 Kelly Bushing Well Temperature 126 °F

Point	Pressure	P.S.I.		Time	
				Given	Computed
A Initial Hydrostatic Mud	2271	P.S.I.	Open Tool	1:11P	M
B First Initial Flow Pressure	84	P.S.I.	First Flow Pressure	60	Mins. 60 Mins.
C First Final Flow Pressure	77	P.S.I.	Initial Closed-in Pressure	120	Mins. 120 Mins.
D Initial Closed-in Pressure	486	P.S.I.	Second Flow Pressure	--	Mins. -- Mins.
E Second Initial Flow Pressure	--	P.S.I.	Final Closed-in Pressure	--	Mins. -- Mins.
F Second Final Flow Pressure	--	P.S.I.			
G Final Closed-in Pressure	--	P.S.I.			
H Final Hydrostatic Mud	2241	P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1			63	477				
P 2			66	479				
P 3			69	481				
P 4			72	484				
P 5			75	486				
P 6			78	486				
P 7			81	486				
P 8			84	486				
P 9			87	486				
P10			90	486				
P11			93	486				
P12			96	486				
P13			99	486				
P14			102	486				
P15			105	486				
P16			108	486				
P17			111	486				
P18			114	486				
P19			117	486				
P20			120	486				

DST#2

TK#2233

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T. 2232

