

Company McGinness Oil Company Lease & Well No. Lohmann "A" #1  
 Elevation 1409 Kelly Bushing Formation Cherokee-Mississippi Effective Pay -- Ft. Ticket No. 1225  
 Date 1/27/79 Sec. 3 Twp. 35S Range 12W County Barber State Kansas  
 Test Approved by Doug McGinness Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4745' ft. to 4835' ft. Total Depth 4835' ft.  
 Packer Depth 4740 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4745 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4753 ft. Recorder Number 2604 Cap. 4150  
 Bottom Recorder Depth (Outside) 4756 ft. Recorder Number 2606 Cap. 4150  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Eagle Drilling, Inc. Drill Collar Length 95 I. D. 2 1/4 in.  
 Mud Type premix-driscap Viscosity 51 Weight Pipe Length 315 I. D. 2 1/2 in.  
 Weight 9.1 Water Loss 10.4 cc. Drill Pipe Length 4365 I. D. 3.8 in.  
 Chlorides 28,000 P.P.M. Test Tool Length 59' in. Tool Size 5 1/2 OD in.  
 Jars: Make WTC Serial Number 408 Anchor Length 90' ft. Size 5 1/2 OD + 2 D.C.  
 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: Strong blow decreasing to very weak blow on initial flow; fair blow throughout final flow period.

Recovered 150 ft. of drilling mud. Some gas bubbles  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer(s) 10:45 ~~A.M.~~ P.M. Time Started Off Bottom 2:45 ~~A.M.~~ P.M. Maximum Temperature 122  
 Initial Hydrostatic Pressure ..... (A) 2276 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 92 P.S.I. to (C) 126 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 310 P.S.I.  
 Final Flow Period ..... Minutes 90 (E) 98 P.S.I. to (F) 77 P.S.I.  
 Final Closed In Period ..... Minutes 90 (G) 391 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2211 P.S.I.

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

Date 1/27/79 Test Ticket No. 1225  
 Recorder No. 2604 Capacity 4150 Location 4753 Ft.  
 Clock No. -- Elevation 1409 Kelly Bushing Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2276	P.S.I.	10:45A	M
B First Initial Flow Pressure	92	P.S.I.	30	Mins.
C First Final Flow Pressure	126	P.S.I.	30	Mins.
D Initial Closed-in Pressure	310	P.S.I.	90	Mins.
E Second Initial Flow Pressure	98	P.S.I.	90	Mins.
F Second Final Flow Pressure	77	P.S.I.		
G Final Closed-in Pressure	391	P.S.I.		
H Final Hydrostatic Mud	2211	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: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 30 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 33 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	0	126	0	98	0	77
P 2	5	3	128	5	92	3	79
P 3	10	6	134	10	85	6	87
P 4	15	9	151	15	81	9	100
P 5	20	12	173	20	77	12	111
P 6	25	15	198	25	77	15	126
P 7	30	18	226	30	77	18	141
P 8		21	252	35	77	21	155
P 9		24	271	40	77	24	168
P10		27	292	45	77	27	179
P11		30 flushed tool	310	50	77	30	194
P12				55	77	33	207
P13				60	77	36	218
P14				65	77	39	230
P15				70	77	42	241
P16				75	77	45	254
P17				80	77	48	265
P18				85	77	51	273
P19				90	77	54	284
P20						57	295
						60	301

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B First Initial Flow Pressure	92	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	126	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	310	P.S.I.	90	Mins. 90 Mins.
E Second Initial Flow Pressure	98	P.S.I.	90	Mins. 99 Mins.
F Second Final Flow Pressure	77	P.S.I.		
G Final Closed-in Pressure	391	P.S.I.		
H Final Hydrostatic Mud	2211	P.S.I.		

**PRESSURE BREAKDOWN**

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 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 30 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 33 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1						63	309
P 2						66	317
P 3						69	325
P 4						72	333
P 5						75	342
P 6						78	352
P 7						81	362
P 8						84	372
P 9						87	381
P10						90	391
P11						93	391
P12						96	391
P13						99	391
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2604

DST # 1

TKT # 1225  
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