

Company Molz Oil Company Lease & Well No. Etta "B" #1
Elevation 1552 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 4359
Date 11/21/79 Sec. 23 Twp 34S Range 12W County Barber State Kansas
Test Approved by Gordon W. Keen Western Representative Mike Tritt

Formation Test No. 1 Interval Tested from 4698 ft. to 4742 ft. Total Depth 4742 ft.
Packer Depth 4693 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4698 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4700 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 4703 ft. Recorder Number 2605 Cap. 4150
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Co. Drill Collar Length 247 I. D. 2 1/4 in.
Mud Type Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss - cc. Drill Pipe Length 4417 I. D. 3.8 in.
Chlorides 10,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 404 Anchor Length 44 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out - 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 XH in.

Good blow decreasing to weak.
Blow: -

Recovered 15 ft. of slightly gas cut drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:55 AM Time Started Off Bottom 6:25 AM Maximum Temperature 125⁰
Initial Hydrostatic Pressure (A) 2447 P.S.I.
Initial Flow Period Minutes 30 (B) 42 P.S.I. to (C) 32 P.S.I.
Initial Closed In Period Minutes 60 (D) 424 P.S.I.
Final Flow Period Minutes 60 (E) 34 P.S.I. to (F) 44 P.S.I.
Final Closed In Period Minutes 120 (G) 1137 P.S.I.
Final Hydrostatic Pressure (H) 2430 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 11/21/79 Test Ticket No. 4359
 Recorder No. 3354 Capacity 4200 Location 4700 Ft.
 Clock No. --- Elevation 1552 Kelly Bushing Well Temperature 125⁰ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2447	P.S.I.	1:55P	M
B First Initial Flow Pressure	42	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	32	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	424	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	34	P.S.I.	120	Mins. 120 Mins.
F Second Final Flow Pressure	44	P.S.I.		
G Final Closed-in Pressure	1137	P.S.I.		
H Final Hydrostatic Mud	2430	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>12</u> Inc.		Breakdown: <u>40</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	42	0	32	0	34	0	44
P 2 5	40	3	49	5	38	3	76
P 3 10	32	6	78	10	40	6	108
P 4 15	32	9	110	15	40	9	139
P 5 20	32	12	131	20	41	12	173
P 6 25	32	15	154	25	41	15	205
P 7 30	32	18	175	30	42	18	234
P 8		21	194	35	42	21	266
P 9		24	217	40	43	24	295
P10		27	234	45	43	27	327
P11		30	255	50	44	30	359
P12		33	276	55	44	33	390
P13		36	295	60	44	36	422
P14		39	312			39	451
P15		42	329			42	483
P16		45	348			45	511
P17		48	363			48	542
P18		51	378			51	568
P19		54	395			54	595
P20		57	407			57	624
		60	424			60	656

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Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2447	P.S.I.	1:55P	M
B First Initial Flow Pressure	42	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	32	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	424	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	34	P.S.I.	120	Mins. 120 Mins.
F Second Final Flow Pressure	44	P.S.I.		
G Final Closed-in Pressure	1137	P.S.I.		
H Final Hydrostatic Mud	2430	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: 12 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						63	681
P 2						66	713
P 3						69	734
P 4						72	762
P 5						75	789
P 6						78	814
P 7						81	842
P 8						84	869
P 9						87	897
P10						90	918
P11						93	941
P12						96	966
P13						99	990
P14						102	1011
P15						105	1030
P16						108	1050
P17						111	1069
P18						114	1091
P19						117	1114
P20						120	1137

2605 DST #1

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