

Company The National Oil Company Lease & Well No. Cline-Mills #1
Elevation 1794 Kelly Bushing Mississippi Effective Pay -- Ft. Ticket No. 1532
Date 2/8/79 Sec. 5 Twp. 33S Range 14W County Barber State Kansas
Test Approved by R. B. Gebhart, Jr. Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4672' ft. to 4710' ft. Total Depth 4710' ft.

Packer Depth 4667 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4672 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --

Top Recorder Depth (Inside) 4700 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4703 ft. Recorder Number 3351 Cap. 4000

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Union Drilling Rig #1 Drill Collar Length 396 I. D. 2 1/4 in.

Mud Type drispac Viscosity 54 Weight Pipe Length 220 I. D. 2.7 in.

Weight 9.3 Water Loss 8.2 cc. Drill Pipe Length 4035 I. D. 3.8 in.

Chlorides 18,000 P.P.M. Test Tool Length 21' ft. Tool Size 5 1/2 OD in.

Jars: Make -- Serial Number -- Anchor Length 38' 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: Very weak blow; died in nineteen minutes on first flow period. No blow on second opening.

Recovered 190 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:40 A.M. Time Started Off Bottom 10:10 A.M. Maximum Temperature 124

Initial Hydrostatic Pressure (A) 2424 P.S.I.

Initial Flow Period Minutes 30 (B) 165 P.S.I. to (C) 153 P.S.I.

Initial Closed In Period Minutes 45 (D) 193 P.S.I.

Final Flow Period Minutes 30 (E) 176 P.S.I. to (F) 182 P.S.I.

Final Closed In Period Minutes 45 (G) 201 P.S.I.

Final Hydrostatic Pressure (H) 2409 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/8/79 Test Ticket No. 1532
 Recorder No. 2607 Capacity 4150 Location 4700 Ft.
 Clock No. -- Elevation 1794 Kelly Bushing Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2424 P.S.I.	Open Tool	7:40A M	
B First Initial Flow Pressure	165 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	153 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	193 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	176 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	182 P.S.I.			
G Final Closed-in Pressure	201 P.S.I.			
H Final Hydrostatic Mud	2409 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	165	0	153	0	176	0	182
P 2 5	157	3	153	5	169	3	184
P 3 10	152	6	153	10	168	6	188
P 4 15	152	9	154	15	171	9	190
P 5 20	152	12	155	20	174	12	193
P 6 25	153	15	156	25	178	15	193
P 7 30	153	18	156	30	182	18	193
P 8		21	156			21	193
P 9		24	165			24	193
P10		27	169			27	193
P11		30	172			30	193
P12		33	176			33	193
P13		36	182			36	193
P14		39	184			39	193
P15		42	188			42	197
P16		45	193			45	201
P17							
P18							
P19							
P20							

TKT # 1532
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