

LOCATION	23-29-18	
FIELD	Nichols	
COUNTY	Kiowa	
STATE	Kansas	
CONTRACTOR	Falcon-Seaboard	
MUD DATA		
Kind	Starch	
Weight	9.8	lbs.-gal.
Viscosity	20	Sec.
Filter Loss	10	c. c. Filter Cake 2/32 in.
Est. Gauge Depth Temp.	Calc. 120	F°
Time Tool Open	60 Minutes	
Time Closed In.	30 Minutes	
Depth BT. Gauge	4899	
BT. P. R. D. No.	311	Blanked Off no
	12	Hr. Clock No. 2055
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure	2558	2583 p.s.i.
Initial Flow Pres.	15	- p.s.i.
Final Flow Pres.	1675	- p.s.i.
Closed in Pres.	1625 INITIAL 1654 FINAL	1638 1651 p.s.i.
Final Hydro Mud Pressure	2558	2583 p.s.i.



OIL WELL CEMENTING CO.

HOLE AND TOOL DATA			
Total Depth	Casing Perforations	Top	
		Bottom	
4939'			
Top Packer Depth	Bottom Packer Depth	-	
4914'			
Casing or Hole Size	Liner or Rathole Size	6 1/8"	
7 7/8"			
Formation Tested	Miss.		
Size Drill Pipe	Size Drill Collars	5 9/16" x 300'	
4 3/8" API FH			
Size Bottom Choke	Size Surface Choke	1"	
3/4"			
Size Hook Wall Packer	Size Rings	No. Rings	-
-			
Size & Type Wall Packer	No. Packers		1
5" E. S. W. P.			
Size & Length Anchor	3" x 25'		
PRD Device No.	Depth	Blanked Off	yes
1004	4935'		

Date	4-30-56
Ticket No.	31296
HOWCO DISTRICT	Pratt
Kind of Job	Open Hole
Price	\$ 75.00
Second Packer Assembly	
Safety Joint	
Extra Folder Charge	
Jars	100.00
Total	\$ 175.00
Witnessed By	J. B. Micros
Tester	V. E. Snidle

REMARKS: Set packer, opened tool and took a initial closed in pressure.

Dropped bar, broke disc and received a weak blow., Flushed anchor three times. Recovered 870' of gas and 347' of heavily cut mud.

MISRUN. NO SPECIAL READING DUE TO CHARACTER OF TEST

Tools plugged.

WBE 2203'

Amount of Cushion None All depths measured from Kelly Bushing No. Folders Reproduced 5

TIME

31296

PRESSURE

Each Horizontal Line Equal to 1000 p.s.i.




LEASE

WELL NO.

TEST NO.

COMPANY

DISTRICT

LOCATION	SEC. 28-29-18		 OIL WELL CEMENTING CO.				Date	4-30-56		
FIELD	Nichols						Ticket No.	31297		
COUNTY	Kiowa						HOWCO DISTRICT	Pratt		
STATE	Kansas		HOLE AND TOOL DATA				Kind of Job	Open Hole Test		
CONTRACTOR	Falcon - Seaborad		Total Depth	4940'	Casing Perforations	Top - Bottom =	Price	\$215.00		
MUD DATA			Top Packer Depth	4914'	Bottom Packer Depth	-	Second Packer Assembly	-		
Kind	Starch		Casing or Hole Size	7 5/8"	Liner or Rathole Size	-	Safety Joint	-		
Weight	9.8	lbs.-gal.	Formation Tested	Mississippi		Extra Folder Charge	-			
Viscosity	20	Sec.	Size Drill Pipe	4 1/2" API FH	Size Drill Collars	-5 9/16" x 300'		Jars	-	
Filter Loss	10	c. c. Filter Cake	Size Bottom Choke	3/4"	Size Surface Choke	-1"				
Est. Gauge Depth Temp.	Calc. 120	F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-		
Time Tool Open	60 minutes		Size & Type Wall Packer	6 1/2" ESWP		No. Packers	1			
Time Closed In.	30 minutes		Size & Length Anchor	5" x 26'		Total \$215.00				
Depth BT. Gauge	4921'		PRD Device No.	1987	Depth	4935'	Blanked Off	Yes		
BT. P. R. D. No.	311	Blanked Off	REMARKS: Formation tested from 4914' to 4940' in the Mississippi.						Witnessed By	Mr. J. B. Micros
	12	Hr. Clock No.	Tool opened @ 7:10 P. M. with a fair blow and continued throughout the						Tester	V. E. Snidle
Pressure Readings	Field	Office Corrected	test, gas to surface in 11 minutes, closed in pressure taken @ 8:10 P. M.,							
Initial Hydro Mud Pressure		2632	and started off bottom @ 8:40 P. M. Recovered 185' of gas cut oil.							
Initial Flow Pres.		41	KBE 2203'							
Final Flow Pres.		129	BHT 116°							
Closed in Pres.		1635								
Final Hydro Mud Pressure		2589	Amount of Cushion	None		All depths measured from	Kelly Bushing		No. Folders Reproduced	5

TIME

31297

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.



LOCATION	28-29-18			Date	5-3-56		
FIELD	S. Greensburg			Ticket No.	31253		
COUNTY	Kiowa			HOWCO DISTRICT	Pratt		
STATE	Kansas	HOLE AND TOOL DATA		Kind of Job	Straddle Open Hole		
CONTRACTOR	Falcon-Seaboard			Total Depth	4999'	Casing Perforations	Top Bottom
MUD DATA		Top Packer Depth	4939'	Bottom Packer Depth	4963'	Second Packer Assembly	75.00
Kind	Starch	Casing or Hole Size	7 5/8"	Liner or Rathole Size	7 5/8"	Safety Joint	
Weight	10.7 lbs.-gal.	Formation Tested	Mississippi	Extra Folder Charge			
Viscosity	40 Sec.	Size Drill Pipe	4 1/2" API FH	Size Drill Collars	5 3/4" x 25'	Jars	
Filter Loss	13.6 c. c. Filter Cake 2/32 in.	Size Bottom Choke	3/4"	Size Surface Choke	1"		
Est. Gauge Depth Temp.	Calc. 120 F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-
Time Tool Open	48 Minutes	Size & Type Wall Packer	6 1/2" S.E.W.P.	No. Packers	2	Total	\$ 290.00
	21 Minutes-Initial	Size & Length Anchor	4 1/2" Tool joint anchor x 24' between.			Witnessed By	J. B. Micros
Time Closed In.	30 Minutes-Final		5 3/4" x 25' D.C. and 11' x 4 1/2" below packers			Tester	W.L. Kester
Depth BT. Gauge	4937'	PRD Device No.	1700-1604	Depth	4997-4955'	Blanked Off	yes
BT. P. R. D. No.	536	Blanked Off	no	REMARKS:			
12 Hr. Clock No.	2798	Set packer, opened tool and took a 21 Minute Initial closed in pressure.					
Pressure Readings	Field	Office Corrected	Dropped bar, broke disc and received a strong blow, decreasing throughout				
Initial Hydro Mud Pressure	2450	2639 p.s.i.	test. Gas to the surface in 4 minutes. Flowed oil in 40 Minutes. Re-				
Initial Flow Pres.	260	172 p.s.i.	versed out. Recovered 30' of water below circulating sub. Disc sub run				
Final Flow Pres.	1005	1000 p.s.i.	30' above tool.				
Closed in Pres.	1665 INITIAL	1651	KBE 2203'				
	1650 FINAL	1650 p.s.i.					
Final Hydro Mud Pressure	-	2575 p.s.i.	Amount of Cushion	None	All depths measured from	Rotary Kelly Bushing	No. Folders Reproduced
							5

TIME

312.53

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

Company GULF OIL CORPORATION

Date 5-3-56

Lease V. H. KOEHN

Well No. 2

Ticket No. 31253

Test No. 3

	Time	PSI
Initial Hydro Mud Pressure		2639
Initial Closed In Pressure	21 Mins.	1651
Initial Flow		172
Final Flow	48 Mins.	1000
Final Closed In Pressure	30 Mins.	1650
Final Hydro Mud Pressure		2575

Total Depth 4999'

Packer Depth 4939-4963'

BT No. 536 Depth 4937'

12 Hr. Clock No. 2798

Temperature Corrected to Calc. 120 ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
P0	.000	.030	49	.000	.105	172	.000	.616	1000
P1	.014	1.021	1651	.101	.200	327	.021	1.025	1658
P2	.028	1.021	1651	.202	.494	803	.042	1.025	1658
P3	.042	1.021	1651	.303	.615	998	.063	1.025	1658
P4	.056	1.021	1651	.324*	.616	1000	.084	1.025	1658
P5	.070	1.021	1651				.105	1.025	1658
P6	.084	1.021	1651				.126	1.025	1658
P7	.098	1.021	1651				.147	1.025	1658
P8	.112	1.021	1651				.168	1.025	1658
P9	.126	1.021	1651				.189	1.024	1656
P10	.140	1.021	1651				.210	1.020	1650
	2.1 Minute Intervals			15 Minute Intervals			3 Minute Intervals		

Remarks: * Last interval of flow time is not equal to a full 15 Minute Interval.

D S T ANALYSIS REPORT

DATE August 5, 1957 (5-3-56)

FILE NO. 12-10-3

Since the results of a test depend upon many factors and since tests are made for many purposes, the comments and conclusions below refer solely to the values of the test for pressure extrapolation by our techniques. This report is not intended to be either an endorsement or a criticism.

In the event that further analyses reveal additional information, an amended report will be submitted.

PETROLEUM RESEARCH CORPORATION

Gulf Oil Corporation (29S - 18W) 28 C NE SW
Company Location

V. H. Koehn Kiowa Kansas
Lease County State

#2 #3 4939' - 4963' 2203 KB 4937
Well Test Elevation Gauge Depth

<p>EXTRAPOLATED PRESSURE = <u>1650 + ?</u> psi</p> <p>POTENTIOMETRIC SURFACE = <u>1110 + 200</u> ft</p> <p>EFFECTIVE TRANSMISS. = <u>high</u> md ft/cp</p> <p>AVERAGE PERMEABILITY (Viscosity estimated from reported recovery) = _____ md</p> <p>PRODUCTIVITY INDEX = <u>0.020</u> B/D / psi</p> <p>DAMAGE RATIO = <u>- -</u></p> <p>DAMAGE EFFECT = <u>none slight moderate</u> <u>x</u> <u>strong indeterminate</u></p> <p>..... Extrapolated pressure indefinite.</p> <p>..... Closed-in time insufficient.</p> <p>..... Reported pressures disagree with chart.</p> <p>..... Build-up curve susceptible to mud leakage.</p> <p>..... <u>x</u> Mud pressure from chart does not agree with mud pressure calculated from reported mud weight.</p>	<p>..... Extrapolated initial & final closed-in pressures disagree.</p> <p>..... Insufficient data reported.</p> <p>..... Chart is unusable.</p> <p>..... Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time.</p> <p>..... Initial closed-in time too short for section tested and air-chamber provided.</p> <p>..... Closed-in pressure not taken.</p> <p>..... Formation fluid insufficiently sampled.</p> <p>..... Possibility of nearby barrier.</p> <p>..... Clock slippage indicated.</p> <p>..... Gauge friction indicated.</p> <p>..... Tool disturbance indicated.</p> <p>..... Plugging indicated.</p>
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TIME-RECORDING

LUMINE BOND

JUN 1957