

TK# 1016
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P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Company E.H. Wood, Jr. Lease & Well No. Sanders #1
Elevation 1583 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 1016
Date 4-5-78 Sec. 30 Twp. 31S Range 8W County Harper State Kansas
Test Approved by Lee Paulsen Western Representative Denis Wondra
Formation Test No. 1 Interval Tested from 4378 ft. to 4383 ft. Total Depth 4383 ft.
Packer Depth 4373 ft. Size 6 3/4 in. Packer Depth 4378 ft. Size 6 3/4 in.
Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4365 ft. Recorder Number 3474 Cap. 3000
Bottom Recorder Depth (Outside) 4368 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Union Drllg (#2) Drill Collar Length 370 I. D. 2.7 in.
Mud Type Starch Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.5 Water Loss 12.8 cc. Drill Pipe Length 4008 I. D. 3.8 in.
Chlorides 52,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make WTC Serial Number 410 Anchor Length 5 ft. Size 5 1/2 OD in.
Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 25 minutes, see attached sheet for gas measurements.

Recovered 85 ft. of gas cut mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:50 ~~A.M.~~ P.M. Time Started Off Bottom 5:50 ~~A.M.~~ P.M. Maximum Temperature 115
Initial Hydrostatic Pressure 2322 P.S.I.
Initial Flow Period 30 Minutes (B) 71 P.S.I. to (C) 47 P.S.I.
Initial Closed In Period 30 Minutes (D) 1311 P.S.I.
Final Flow Period 60 Minutes (E) 64 P.S.I. to (F) 44 P.S.I.
Final Closed In Period 60 Minutes (G) 1284 P.S.I.
Final Hydrostatic Pressure 2267 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 4-5-78 Test Ticket No. 1016
 Recorder No. 3474 Capacity 3000 Location 4368 Ft.
 Clock No. - Elevation 1583 Kelly Bushing Well Temperature 115 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2322 P.S.I.	2:50P	M
B First Initial Flow Pressure	71 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	47 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1304 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	64 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	44 P.S.I.		
G Final Closed-in Pressure	1284 P.S.I.		
H Final Hydrostatic Mud	2267 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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	71	0	47	0	64	0	44
P 2 5	50	3	338	5	45	3	491
P 3 10	47	6	730	10	39	6	855
P 4 15	47	9	1035	15	38	9	1044
P 5 20	47	12	1164	20	37	12	1120
P 6 25	47	15	1218	25	36	15	1162
P 7 30	47	18	1252	30	36	18	1189
P 8		21	1274	35	37	21	1206
P 9		24	1291	40	38	24	1220
P10		27	1300	45	41	27	1232
P11		30	1304	50	42	30	1239
P12				55	44	33	1250
P13				60	44	36	1256
P14						39	1262
P15						42	1267
P16						45	1271
P17						48	1276
P18						51	1280
P19						54	1282
P20						57	1283
						60	1284



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 4-5-78 Ticket 1016 Company E. H. Wood Jr.
Well Name and No. Sanders #1 Dst No. 1 Interval Tested 4378' - 4383'
County Harper State Kansas Sec. 30 Twp. 31S Rg. 8W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
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PRE FLOW

3:19PM	4 min.	24" of water		1/4" orifice		8,220 C.F.P.D.
Gas to surface in 25 minutes.						

SECOND FLOW

3:55PM	5 min.	35" of water		1/2" orifice		36,500 C.F.P.D.
4:10	20 min.	20" of water		1/2" orifice		28,000 C.F.P.D.
4:25	35 min.	20" of water		1/2" orifice		28,000 C.F.P.D.
4:40	50 min.	20" of water		1/2" orifice		28,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME E. H. Woods Jr.

Authorized by Lee Paulsen