



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

Company Hummon Oil Company Lease & Well No. Small #1
Elevation 1249 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 242
Date 6-26-78 Sec. 18 Twp. 33S Range 3W County Sumner State Kansas
Test Approved by Byron E. Hummon, Jr. Western Representative Tim Wilson

Formation Test No. 1 Interval Tested from 4068 ft. to 4090 ft. Total Depth 4090 ft.
Packer Depth 4063 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4068 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

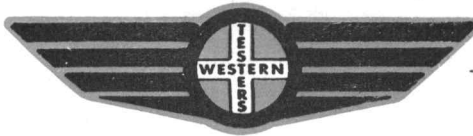
Top Recorder Depth (Inside) 4083 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 4086 ft. Recorder Number 1558 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert - Jones Drlg. (#12) Drill Collar Length 424 I. D. 2 1/4 in.
Mud Type Starch Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 23.8 cc. Drill Pipe Length 3625 I. D. 3.8 in.
Chlorides 32,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make - Serial Number - Anchor Length 22 ft. Size 5 1/2 OD in.
Did Well Flow? Yes Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in.

Blow: Very strong blow throughout test. Gas to surface in 4 minutes. See attached sheet for gas measurments.

Recovered 30 ft. of oil and gas cut mud
Recovered 120 ft. of heavily oil and gas cut mud
Recovered 60 ft. of froggy oil
Recovered 330 ft. of slightly muddy gassy oil
Recovered 30 ft. of gas and oil cut muddy water
Remarks: 570' total fluid recovery.

Time Set Packer(s) 11:03 AM P.M. Time Started Off Bottom 2:35 AM P.M. Maximum Temperature 131
Initial Hydrostatic Pressure (A) 2143 P.S.I.
Initial Flow Period Minutes 45 (B) 119 P.S.I. to (C) 110 P.S.I.
Initial Closed In Period Minutes 60 (D) 1639 P.S.I.
Final Flow Period Minutes 45 (E) 121 P.S.I. to (F) 137 P.S.I.
Final Closed In Period Minutes 60 (G) 1642 P.S.I.
Final Hydrostatic Pressure (H) 2118 P.S.I.



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

GAS FLOW REPORT

Date 6-26-78 Ticket 242 Company Hummon Oil Company
 Well Name and No. Small #1 Dst No. 1 Interval Tested 4068' - 4090'
 County Sumner State Kansas Sec. 18 Twp. 33S Rg. 3W

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
Tool opened at 11:05PM, gas to surface PRE FLOW in 4 minutes						
11:09PM	4 min.	5 lbs.	3/4" orifice			175,000 C.F.P.D.
11:19PM	14 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
11:29PM	24 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
11:39PM	34 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
11:49PM	44 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
11:50PM	Tool shut-in.					

SECOND FLOW

12:50AM	0 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
1:00AM	10 min.	9 lbs.	3/4" orifice			245,000 C.F.P.D.
1:10AM	20 min.	8 lbs.	3/4" orifice			227,000 C.F.P.D.
1:20AM	30 min.	7 lbs.	3/4" orifice			211,000 C.F.P.D.
1:30AM	40 min.	6.5 lbs.	3/4" orifice			202,000 C.F.P.D.
1:35AM	45 min.	6.5 lbs.	3/4" orifice			202,000 C.F.P.D.

GAS BOTTLE

Serial No. 617 Date Bottle Filled 6-26-78 Date to be Invoiced 6-26-78

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 Hummon Oil Company
 Authorized by Byron E. Hummon, Jr.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/26/78 Recorder No. 1559 Capacity 4200 Test Ticket No. 242
 Clock No. ----- Elevation 1249 Kelly Bushing Location 4083 Well Temperature 131 °

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2143	P.S.I.	11:03P	M
B First Initial Flow Pressure	119	P.S.I.	45	Mins. 45 Min
C First Final Flow Pressure	110	P.S.I.	60	Mins. 57 Min
D Initial Closed-in Pressure	1639	P.S.I.	45	Mins. 45 Min
E Second Initial Flow Pressure	121	P.S.I.	60	Mins. 63 Min
F Second Final Flow Pressure	137	P.S.I.		
G Final Closed-in Pressure	1642	P.S.I.		
H Final Hydrostatic Mud	2118	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>21</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	110	0	110	0	121	0	137
P 2	5	100	3	666	5	109	3	679
P 3	10	96	6	1280	10	109	6	1376
P 4	15	98	9	1479	15	113	9	1483
P 5	20	98	12	1532	20	117	12	1527
P 6	25	100	15	1561	25	123	15	1553
P 7	30	105	18	1578	30	127	18	1572
P 8	35	107	21	1593	35	132	21	1584
P 9	40	108	24	1601	40	136	24	1595
P10	45	110	27	1610	45	137	27	1605
P11			30	1612			30	1614
P12			33	1618			33	1620
P13			36	1622			36	1622
P14			39	1625			39	1625
P15			42	1629			42	1629
P16			45	1631			45	1633
P17			48	1633			48	1635
P18			51	1635			51	1636
P19			54	1638			54	1639
P20			57	1639			57	1640
							60	1641
							63	1642

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

Company Hummon Oil Company Lease & Well No. Small #1
Elevation 1249 Kelly Bushing Formation Simpson Effective Pay ----- Ft. Ticket No. 282
Date 6/29/78 Sec. 18 Twp. 33S Range 3W County Sumner State Kansas
Test Approved by Byron Hummon Jr. Western Representative Will K. Hager - N. Allen

Formation Test No. 2 Interval Tested from 4980' ft. to 4500' ft. Total Depth 4500' ft.
Packer Depth 4975 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4980 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----
Top Recorder Depth (Inside) 4990 ft. Recorder Number 1564 Cap. 3150
Bottom Recorder Depth (Outside) 4993 ft. Recorder Number 3085 Cap. 4500
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. ---

Drilling Contractor Gabbert - Jones #12 Drill Collar Length 432 I. D. 2 1/4 in.
Mud Type starch Viscosity 37 Weight Pipe Length -- I. D. -- in.
Weight 9.6 Water Loss 14.4 cc. Drill Pipe Length 3028' I. D. 3.8 in.
Chlorides 28,000 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
Jars: Make -- Serial Number -- Anchor Length 20 ft. Size 5 1/2 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.

Blow: Weak blow for 15 minutes.

Recovered 30 ft. of drilling mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: Pressures from recorder #3085

Time Set Packer(s) 4:25 ~~AM~~ P.M. Time Started Off Bottom 6:10 ~~AM~~ P.M. Maximum Temperature 130
Initial Hydrostatic Pressure (A) 2365 P.S.I.
Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period Minutes 30 (D) 93 P.S.I.
Final Flow Period Minutes 15 (E) 55 P.S.I. to (F) 24 P.S.I.
Final Closed In Period Minutes 30 (G) 80 P.S.I.
Final Hydrostatic Pressure (H) 2308 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 6/29/78 Test Ticket No. 282
 Recorder No. 3085 Capacity 4500 Location 4993 Ft. _____
 Clock No. ----- Elevation 1249 Kelly Bushing Well Temperature 130 °F

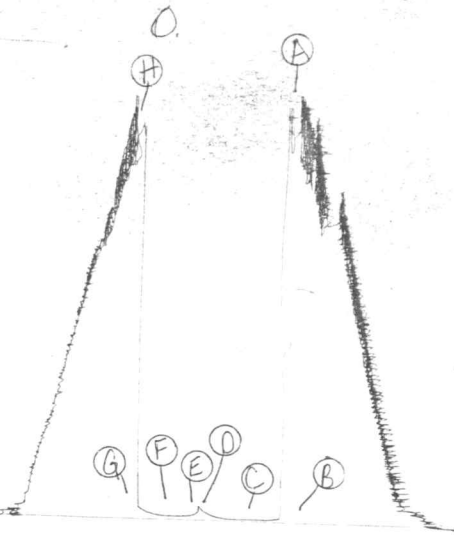
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2365	P.S.I.	4:25P	M
B First Initial Flow Pressure	37	P.S.I.	30	30 Mins.
C First Final Flow Pressure	16	P.S.I.	30	30 Mins.
D Initial Closed-in Pressure	93	P.S.I.	15	15 Mins.
E Second Initial Flow Pressure	55	P.S.I.	30	30 Mins.
F Second Final Flow Pressure	24	P.S.I.		
G Final Closed-in Pressure	80	P.S.I.		
H Final Hydrostatic Mud	2308	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>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>3</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	0	16	0	55	0	24
P 2	5	3	16	5	34	3	24
P 3	10	6	16	10	26	6	24
P 4	15	9	18	15	24	9	24
P 5	20	12	22			12	29
P 6	25	15	26			15	34
P 7	30	18	37			18	39
P 8		21	48			21	46
P 9		24	61			24	57
P10		27	84			27	67
P11		30	93			30	80
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK-#282





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 WICHITA, KANSAS 67201

Company Hummon Oil Company Lease & Well No. Small #1
 Elevation 1249 KellyBushing Formation Simpson Effective Pay ----- Ft. Ticket No. 283
 Date 6/30/78 Sec. 18 Twp. 33S Range 3W County Sumner State Kansas
 Test Approved by Byron Hummon Western Representative Will K. Hager - N. Allen

Formation Test No. 3 Interval Tested from 4500 ft. to 4530 ft. Total Depth 4530 ft.
 Packer Depth 4500 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.
 Packer Depth 4495 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----
 Top Recorder Depth (Inside) 4518 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 4521 ft. Recorder Number 3085 Cap. 4500
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --
 Drilling Contractor GABBERT -JONES #12 Drill Collar Length 432' I. D. 2 1/4 in.
 Mud Type starch Viscosity 42 Weight Pipe Length -- I. D. -- in.
 Weight 9.7 Water Loss 13.6 cc. Drill Pipe Length 4048 I. D. 3.8 in.
 Chlorides 28,000 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.
 Jars: Make ----- Serial Number ----- Anchor Length 30 ft. Size 5 1/2 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.

Blow: Weak blow throughout test.

Recovered 290 ft. of muddy water : 85,000 PPM chlorides
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Pressures from 3085'

Time Set Packer(s)	<u>6:00</u>	<u>A.M.</u> P.M.	Time Started Off Bottom	<u>8:00</u>	<u>A.M.</u> P.M.	Maximum Temperature	<u>131</u>
Initial Hydrostatic Pressure			(A)	<u>2312</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>49</u>	P.S.I. to (C)	<u>63</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>1700</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>119</u>	P.S.I. to (F)	<u>112</u>	P.S.I.
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>1679</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2312</u>	P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 6/30/78 Test Ticket No. 283
 Recorder No. 3085 Capacity 4500 Location 4521 Ft.
 Clock No. ----- Elevation 1249 Kelly Bushing Well Temperature 131 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2328	P.S.I.	6:00A	M
B First Initial Flow Pressure	49	P.S.I.	30	Mins.
C First Final Flow Pressure	63	P.S.I.	30	Mins.
D Initial Closed-in Pressure	1700	P.S.I.	30	Mins.
E Second Initial Flow Pressure	119	P.S.I.	30	Mins.
F Second Final Flow Pressure	112	P.S.I.	30	Mins.
G Final Closed-in Pressure	1679	P.S.I.		
H Final Hydrostatic Mud	2312	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: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 10 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	49	0	63	0	119	0	112
P 2 5	36	3	511	5	98	3	518
P 3 10	36	6	1212	10	96	6	1030
P 4 15	43	9	1479	15	96	9	1437
P 5 20	50	12	1564	20	105	12	1539
P 6 25	57	15	1601	25	107	15	1587
P 7 30	63	18	1631	30	112	18	1617
P 8		21	1654			21	1636
P 9		24	1670			24	1652
P10		27	1686			27	1668
P11		30	1700			30	1679
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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