

Company Patton Oil Company Lease & Well No. Holmes Q-#1
 Elevation --- Formation Marmaton Effective Pay - Ft. Ticket No. 1303
 Date 9/4/81 Sec. 35 Twp. 33S Range 13W County Barber State Kansas
 Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 4507 ft. to 4540 ft. Total Depth 4540 ft.
 Packer Depth 4502 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4507 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4530 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4533 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Springs Drlg. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type drispac Viscosity 45 Weight Pipe Length 495 I. D. 2.7 in.
 Weight 10.1 Water Loss 33.6 cc. Drill Pipe Length 3988 I. D. 3.8 in.
 Chlorides 25,500 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.
 Jars: Make -- Serial Number 0 - Anchor Length 33 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out Yes 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: _____
 MISRUN

Recovered _____ ft. of _____
 Remarks: _____

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure _____ (A) 2023 P.S.I.
 Initial Flow Period _____ Minutes (B) - P.S.I. to (C) - P.S.I.
 Initial Closed In Period _____ Minutes (D) - P.S.I.
 Final Flow Period _____ Minutes (E) - P.S.I. to (F) - P.S.I.
 Final Closed In Period _____ Minutes (G) - P.S.I.
 Final Hydrostatic Pressure _____ (H) 2023 P.S.I.

TKT # 13030

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(H) (A)



TKT # 13030
0



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Company Patton Oil Company Lease & Well No. Holmes Q-#1

Elevation -- Formation Marmaton Effective Pay - Ft. Ticket No. 13031

Date 9/4/81 Sec. 35 Twp. 33S Range 13W County Barber State Kansas

Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4492 ft. to 4540 ft. Total Depth 4540 ft.

Packer Depth 4487 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4492 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4497 ft. Recorder Number 2607 Cap. 4050

Bottom Recorder Depth (Outside) 4501 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Big Springs Drlg. Rig #1 Drill Collar Length - I. D. - in.

Mud Type drispac Viscosity 45 Weight Pipe Length 495 I. D. 2.7 in.

Weight 10.1 Water Loss 33.6 cc. Drill Pipe Length 3973 I. D. 3.8 in.

Chlorides 25,500 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.

Jars: Make - Serial Number - Anchor Length 48 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.

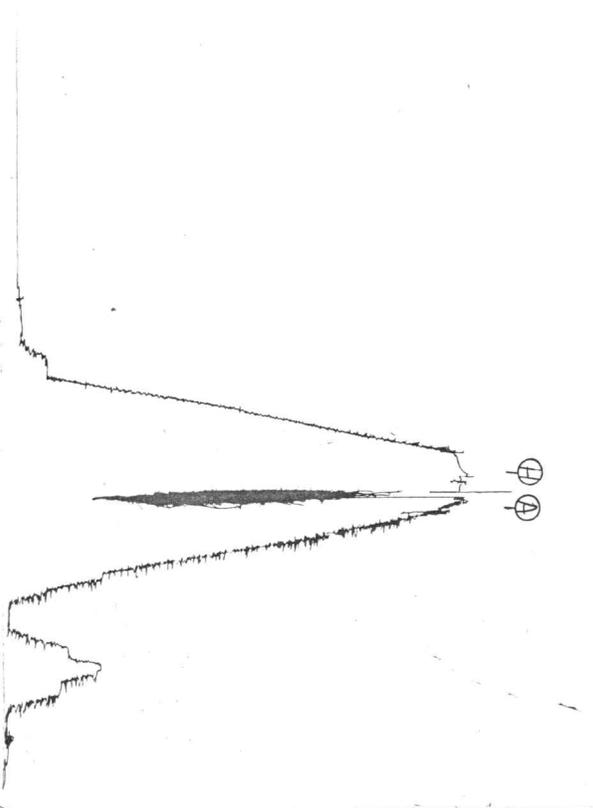
Blow: MISRUN

Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: WATER COMING OUT OF HOL (BACK OUT OF HOLE)

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		(A) <u>2456</u>	P.S.I.	
Initial Flow Period		(B) <u>-</u> Minutes	P.S.I. to (C)	<u>-</u> P.S.I.
Initial Closed In Period		(D) <u>-</u> Minutes	P.S.I.	
Final Flow Period		(E) <u>-</u> Minutes	P.S.I. to (F)	<u>-</u> P.S.I.
Final Closed In Period		(G) <u>-</u> Minutes	P.S.I.	
Final Hydrostatic Pressure		(H) <u>2456</u>	P.S.I.	

IRI # 13031
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IRI # 13031
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Company Patton Oil Company Lease & Well No. Holmes Q-#1
 Elevation --- Formation Marmaton Effective Pay - Ft. Ticket No. 13032
 Date 9/4/81 Sec. 35 Twp. 33S Range 15W County Barber State Kansas
 Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4492 ft. to 4540 ft. Total Depth 4540 ft.
 Packer Depth 4487 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4492 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4497 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4501 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Springs Drlg. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type drispac Viscosity - Weight Pipe Length 495 I. D. 2.7 in.
 Weight - Water Loss - cc. Drill Pipe Length 3973 I. D. 3.8 in.
 Chlorides - P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 48 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 FH in.

Blow: Weak increased to strong blow on initial flow period. Strong blow throughout final flow period.

Recovered 120 ft. of slightly gas and oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s)	<u>7:20</u>	A.M. P.M.	Time Started Off Bottom	<u>11:20</u>	A.M. P.M.	Maximum Temperature	<u>123°</u>
Initial Hydrostatic Pressure			(A)	<u>2383</u>		P.S.I.	
Initial Flow Period		Minutes	<u>60</u>	(B)	<u>167</u>	P.S.I. to (C)	<u>167</u> P.S.I.
Initial Closed In Period		Minutes	<u>57</u>	(D)	<u>804</u>	P.S.I.	
Final Flow Period		Minutes	<u>60</u>	(E)	<u>201</u>	P.S.I. to (F)	<u>201</u> P.S.I.
Final Closed In Period		Minutes	<u>66</u>	(G)	<u>739</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>2383</u>		P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 9/4/81 Test Ticket No. 13032
 Recorder No. 2607 Capacity 4150 Location 4497 Ft.
 Clock No. - Elevation - Well Temperature 123 °F

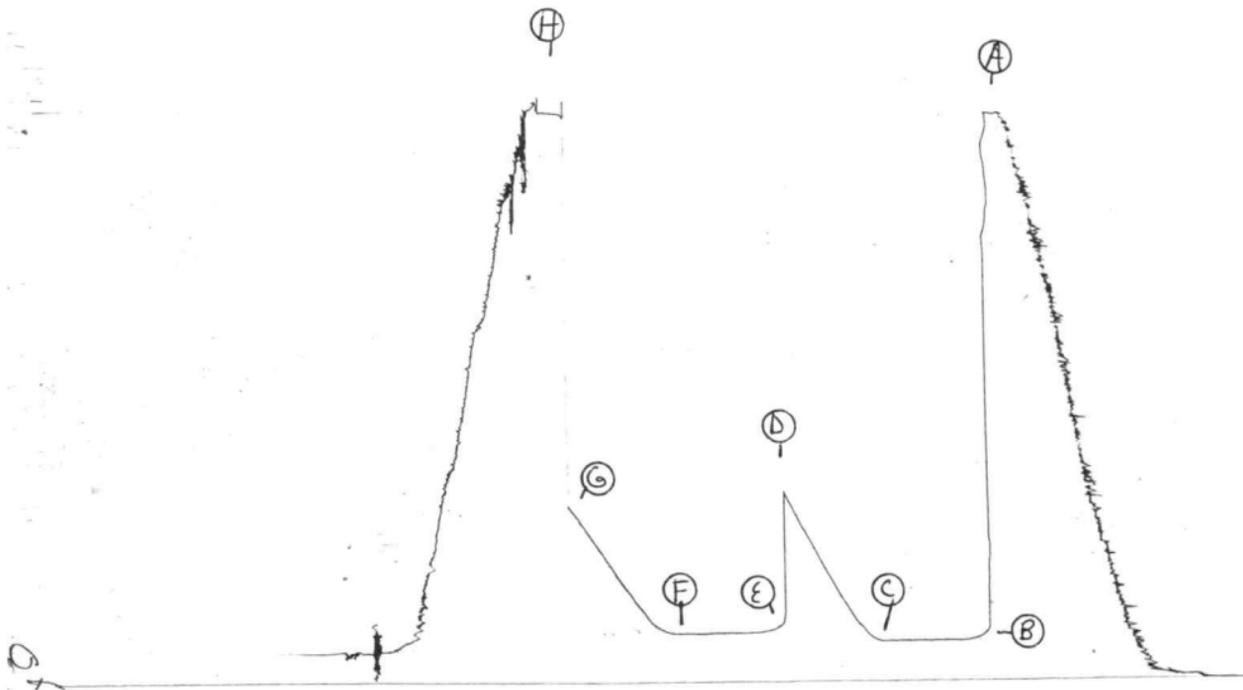
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2383	P.S.I.	7:20P	M
B First Initial Flow Pressure	167	P.S.I.	60	Mins. 60
C First Final Flow Pressure	167	P.S.I.	60	Mins. 57
D Initial Closed-in Pressure	804	P.S.I.	60	Mins. 60
E Second Initial Flow Pressure	201	P.S.I.	60	Mins. 66
F Second Final Flow Pressure	201	P.S.I.		
G Final Closed-in Pressure	739	P.S.I.		
H Final Hydrostatic Mud	2383	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In					
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.				
	of	5	mins. and a	final inc. of	0	Min.	of	3	mins. and a	final inc. of	0	Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.			
P 1 0	167	0	167	0	201	0	201	0	201			
P 2 5	167	3	176	5	201	3	201	5	201			
P 3 10	167	6	188	10	201	6	201	10	204			
P 4 15	167	9	207	15	201	9	201	15	212			
P 5 20	167	12	235	20	201	12	201	20	222			
P 6 25	167	15	256	25	201	15	201	25	237			
P 7 30	167	18	290	30	201	18	201	30	258			
P 8 35	167	21	327	35	201	21	201	35	290			
P 9 40	167	24	364	40	201	24	201	40	317			
P10 45	167	27	401	45	201	27	201	45	341			
P11 50	167	30	441	50	201	30	201	50	375			
P12 55	167	33	479	55	201	33	201	55	407			
P13 60	167	36	517	60	201	36	201	60	438			
P14		39	558			39			472			
P15		42	598			42			506			
P16		45	637			45			541			
P17		48	673			48			573			
P18		51	716			51			602			
P19		54	760			54			633			
P20		57	804			57			666			
						60			699			
						63			730			
						66			739			

TKT. # 13032

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Company Patton Oil Company Lease & Well No. Holmes Q-#1
 Elevation ----- Formation Mississippi Effective Pay - Ft. Ticket No. 13033
 Date 9/ 6 /81 Sec. 35 Twp. 33S Range 13W County Barber State Kansas
 Test Approved by Mike G. Russell Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4564 ft. to 4670 ft. Total Depth 4670 ft.
 Packer Depth 4559 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4564 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4597 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4600 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Springs Drlg. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type premix Viscosity 60 Weight Pipe Length 435 I. D. 2.7 in.
 Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 4005 I. D. 3.8 in.
 Chlorides 22,000 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 106 ft. Size 5 1/2 OD in.
 Did Well Flow? Yes Reversed Out No Surface Choke Size 7 7/8 in. Bottom Choke Size 4 1/2 FH in.
 Main Hole Size - in. Tool Joint Size - in.

Blow: Weak, increased to strong blow on first flow period. Strong blow throughout second flow period. Gas to surface in forty-six minutes on second flow. See attached sheet for

gas measurements.
 Recovered 130 ft. of gas cut mud
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -
 Recovered - ft. of -

Remarks: -

Read outside chart

Time Set Packer(s)	<u>9:50</u>	A.M. P.M.	Time Started Off Bottom	<u>1:50</u>	A.M. P.M.	Maximum Temperature	<u>124°</u>
Initial Hydrostatic Pressure	(A)	<u>2310</u>			P.S.I.		
Initial Flow Period	Minutes	<u>60</u>	(B)	<u>53</u>	P.S.I. to (C)	<u>64</u>	P.S.I.
Initial Closed In Period	Minutes	<u>54</u>	(D)	<u>163</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>76</u>	P.S.I. to (F)	<u>76</u>	P.S.I.
Final Closed In Period	Minutes	<u>57</u>	(G)	<u>169</u>	P.S.I.		
Final Hydrostatic Pressure	(H)	<u>2310</u>			P.S.I.		

GAS FLOW REPORT

Date 9/6/81 Ticket 13033 Company Patton Oil Company
 Well Name and No. Holmes Q-#1 Dst No. 4 Interval Tested 4564'-4670'
 County Barber State Kansas Sec. 35 Twp. 33S Rg. 13W

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
PRE FLOW						

Gas to surface in forty-six minutes. **SECOND FLOW**

	50 min.	6" of water	1/4" orifice	4,120 CFPD	
	60 min.	8" of water	1/4" orifice	4,760 CFPD	

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced 9/6/81

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.

Patton Oil Company
 COMPANY'S NAME _____
 Authorized by Mike G. Russell

WESTERN TESTING CO., INC.

Pressure Data

Date 9/6/81 Test Ticket No. 13033
 Recorder No. 3351 Capacity 4000 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature 124 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2310	P.S.I.	Open Tool	9:50P	M
B First Initial Flow Pressure	53	P.S.I.	First Flow Pressure	60	Mins. 60 Mins.
C First Final Flow Pressure	64	P.S.I.	Initial Closed-in Pressure	60	Mins. 54 Mins.
D Initial Closed-in Pressure	163	P.S.I.	Second Flow Pressure	60	Mins. 60 Mins.
E Second Initial Flow Pressure	76	P.S.I.	Final Closed-in Pressure	60	Mins. 57 Mins.
F Second Final Flow Pressure	76	P.S.I.			
G Final Closed-in Pressure	169	P.S.I.			
H Final Hydrostatic Mud	2310	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

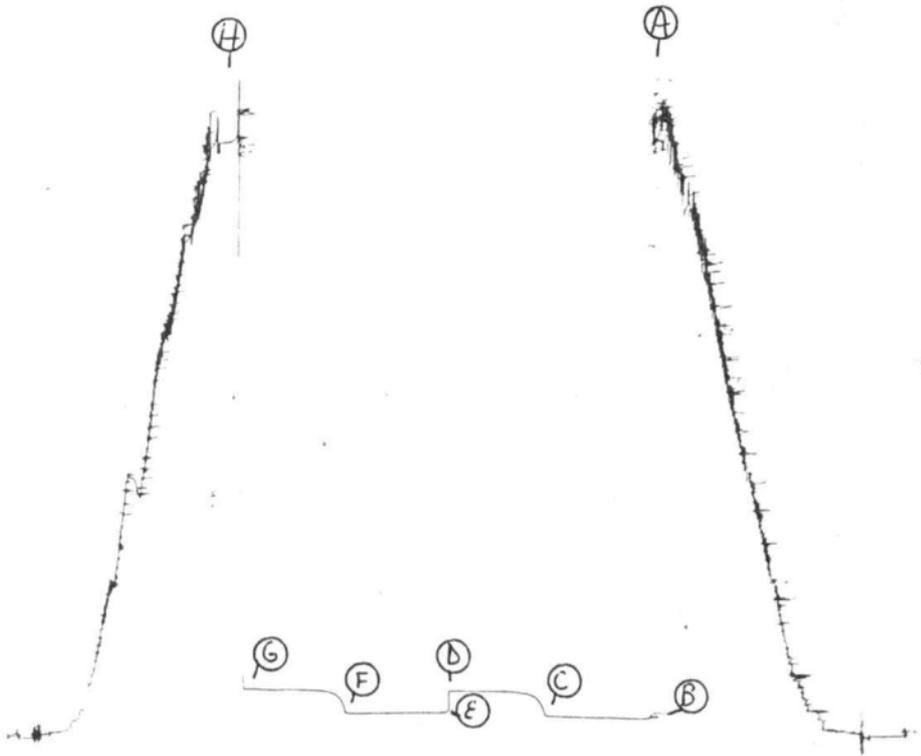
Initial Shut-In
 Breakdown: 18 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 19 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	53	0	64	0	76	0	76
P 2 5	53	3	120	5	76	3	132
P 3 10	54	6	141	10	77	6	150
P 4 15	55	9	151	15	78	9	157
P 5 20	55	12	155	20	78	12	161
P 6 25	56	15	158	25	78	15	163
P 7 30	57	18	159	30	78	18	164
P 8 35	58	21	160	35	77	21	165
P 9 40	59	24	161	40	77	24	166
P10 45	60	27	161	45	76	27	166
P11 50	61	30	162	50	76	30	167
P12 55	62	33	162	55	76	33	167
P13 60	64	36	162	60	76	36	167
P14		39	162			39	167
P15		42	162			42	167
P16		45	163			45	167
P17		48	163			48	167
P18		51	163			51	168
P19		54	163			54	168
P20						57	169

TKT # 13033
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