

Company Kansas Oil Corporation Lease & Well No. Shriver #1
Elevation ----- Formation Howard Effective Pay --- Ft. Ticket No. 8467
Date 12/9/80 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
Test Approved by Robert L. Layman Western Representative Jim Wondra
Formation Test No. 1 Interval Tested from 3257 ft. to 3300 ft. Total Depth 3300 ft.
Packer Depth 3252 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3251 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3290 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 3293 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 155 I. D. 2 1/4 in.
Mud Type premix Viscosity 36 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss N.C. cc. Drill Pipe Length 3081 I. D. 3.8 in.
Chlorides 36,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 43 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. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test. Gas to surface in two minutes on pre-flow.
See attached sheet for gas measurements.

Recovered 550 ft. of clean gassy oil (gravity 33)
Recovered 1175 ft. of gassy salt water (130,000 ppm chlorides)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: No final gas gauge. Flowing oily mud. Slid tool eight feet
to bottom.

READ OUTSIDE CHART

Time Set Packer(s) 11:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 114°
Initial Hydrostatic Pressure (A) 1621 P.S.I.
Initial Flow Period Minutes 30 (B) 355 P.S.I. to (C) 573 P.S.I.
Initial Closed In Period Minutes 60 (D) 1216 P.S.I.
Final Flow Period Minutes 55 (E) 633 P.S.I. to (F) 990 P.S.I.
Final Closed In Period Minutes 87 (G) 1228 P.S.I.
Final Hydrostatic Pressure (H) 1581 P.S.I.

GAS FLOW REPORT

Date 12/9/80 Ticket 8467 Company Kansas Oil Corporation
 Well Name and No. Shriver #1 Dst No. 1 Interval Tested 3257'-3300'
 County Pratt State Kansas Sec. 14 Twp. 29S Rg. 14W

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
Gas to surface in two minutes PRE FLOW						
	5 min.	16" of water		1½" orifice		278,000 CFPD
	10 min.	13" of water		1½" orifice		251,000 CFPD
	20 min.	5" of water		1½" orifice		156,000 CFPD
	30 min.	4" of water		1½" orifice		139,000 CFPD

SECOND FLOW

	5 min.	26" of water		1/4" orifice		8,560 CFPD
	15 min.	9" of wtaer		1/4" orifice		5,050 CFPD
	25 min.	8" of water		1/4" orifice		4,760 CFPD
	35 min.	8" of water		1/4" orifice		4,760 CFPD
	45 min.			1/4" orifice		

GAS BOTTLE

Serial No. -- Date Bottle Filled ----- Date to be Invoiced 12/9/80

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 1½% per month, equal to 18% 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 Kansas Oil Corporation

Authorized by Robert L. Layman

WESTERN TESTING CO., INC.

Pressure Data

Date 12/9/80

Test Ticket No. 8467

Recorder No. 3351 Capacity 4000 Location 3293 Ft.

Clock No. ----- Elevation ----- Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1621</u> P.S.I.	Open Tool	<u>11:00 A M</u>	
B First Initial Flow Pressure	<u>355</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>573</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1216</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>633</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>990</u> P.S.I.			
G Final Closed-in Pressure	<u>1228</u> P.S.I.			
H Final Hydrostatic Mud	<u>1581</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>29</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 <u>0</u>	<u>355</u>	<u>0</u>	<u>573</u>	<u>0</u>	<u>633</u>	<u>0</u>	<u>990</u>
P 2 <u>5</u>	<u>337</u>	<u>3</u>	<u>1038</u>	<u>5</u>	<u>635</u>	<u>3</u>	<u>1122</u>
P 3 <u>10</u>	<u>355</u>	<u>6</u>	<u>1096</u>	<u>10</u>	<u>683</u>	<u>6</u>	<u>1146</u>
P 4 <u>15</u>	<u>404</u>	<u>9</u>	<u>1125</u>	<u>15</u>	<u>731</u>	<u>9</u>	<u>1158</u>
P 5 <u>20</u>	<u>456</u>	<u>12</u>	<u>1141</u>	<u>20</u>	<u>775</u>	<u>12</u>	<u>1169</u>
P 6 <u>25</u>	<u>508</u>	<u>15</u>	<u>1157</u>	<u>25</u>	<u>811</u>	<u>15</u>	<u>1175</u>
P 7 <u>30</u>	<u>573</u>	<u>18</u>	<u>1165</u>	<u>30</u>	<u>845</u>	<u>18</u>	<u>1181</u>
P 8		<u>21</u>	<u>1173</u>	<u>35</u>	<u>879</u>	<u>21</u>	<u>1185</u>
P 9		<u>24</u>	<u>1181</u>	<u>40</u>	<u>906</u>	<u>24</u>	<u>1188</u>
P10		<u>27</u>	<u>1185</u>	<u>45</u>	<u>944</u>	<u>27</u>	<u>1191</u>
P11		<u>30</u>	<u>1190</u>	<u>50</u>	<u>970</u>	<u>30</u>	<u>1196</u>
P12		<u>33</u>	<u>1194</u>	<u>55</u>	<u>990</u>	<u>33</u>	<u>1200</u>
P13		<u>36</u>	<u>1198</u>			<u>36</u>	<u>1203</u>
P14		<u>39</u>	<u>1202</u>			<u>39</u>	<u>1206</u>
P15		<u>42</u>	<u>1204</u>			<u>42</u>	<u>1208</u>
P16		<u>45</u>	<u>1206</u>			<u>45</u>	<u>1210</u>
P17		<u>48</u>	<u>1208</u>			<u>48</u>	<u>1212</u>
P18		<u>51</u>	<u>1210</u>			<u>51</u>	<u>1214</u>
P19		<u>54</u>	<u>1212</u>			<u>54</u>	<u>1216</u>
P20		<u>57</u>	<u>1214</u>			<u>57</u>	<u>1217</u>
		<u>60</u>	<u>1216</u>			<u>60</u>	<u>1218</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 12/9/80 Test Ticket No. 8467

Recorder No. 3351 Capacity 4000 Location 3293 Ft.

Clock No. ----- Elevation ----- Well Temperature 114 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1621 P.S.I.	11:00 A.M.	
B First Initial Flow Pressure	355 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	573 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1216 P.S.I.	45 Mins.	55 Mins.
E Second Initial Flow Pressure	633 P.S.I.	90 Mins.	87 Mins.
F Second Final Flow Pressure	990 P.S.I.		
G Final Closed-in Pressure	1228 P.S.I.		
H Final Hydrostatic Mud	1581 P.S.I.		

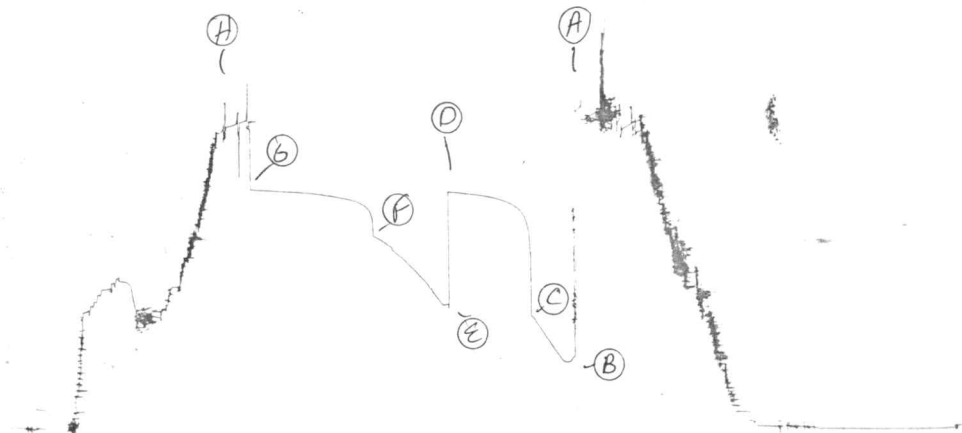
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>29</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						63	1219
P 2						66	1220
P 3						69	1222
P 4						72	1223
P 5						75	1224
P 6						78	1225
P 7						81	1226
P 8						84	1227
P 9						87	1228
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

JKT # 8467

O



Company Kansas Oil Corporation Lease & Well No. Shriver #1
 Elevation 1967 Kelly Bushing Formation Douglas Effective Pay - Ft. Ticket No. 8211
 Date 12-11-80 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
 Test Approved by Robert Llaymon Western Representative Rodger A Mounts
 Formation Test No. 2 Interval Tested from 3736 ft. to 3830 ft. Total Depth 3830 ft.
 Packer Depth 3731 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3736 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3756 ft. Recorder Number 1566 Cap. 4300
 Bottom Recorder Depth (Outside) 3830 ft. Recorder Number 3086 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 150 I. D. 2.2 in.
 Mud Type Gel Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss N/C cc. Drill Pipe Length 3696 I. D. 3.8 in.
 Chlorides 34,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 64 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. Tool Joint Size 4 1/2 XH in.
 Blow: Very strong. Gas to surface in six minutes. See attached sheet for gas measurements.

Recovered 144 ft. of heavy gas cut muddy water
 Recovered 248 ft. of heavy gas cut salt water Chlorides 66,000 PPM
 Recovered 248 ft. of heavy gas cut salt water Chlorides 78,000 PPM
 Recovered 124 ft. of Heavy gas cut salt water Chlorides 100,000 PPM
 Recovered - ft. of -
 Remarks: Tried three times to set packers. Set on third try.

Time Set Packer(s) 1:10 ~~AM~~ P.M. Time Started Off Bottom 4:55 ~~AM~~ P.M. Maximum Temperature 118
 Initial Hydrostatic Pressure (A) 1907 P.S.I.
 Initial Flow Period Minutes 35 (B) 536 P.S.I. to (C) 643 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1476 P.S.I.
 Final Flow Period Minutes 59 (E) 643 P.S.I. to (F) 514 P.S.I.
 Final Closed In Period Minutes 105 (G) 1486 P.S.I.
 Final Hydrostatic Pressure (H) 1766 P.S.I.

GAS FLOW REPORT

Date 12-11-80 Ticket 8211 Company Kansas Oil Corporation
 Well Name and No. Shriver #1 Dst No. 2 Interval Tested 3736-3830
 County Pratt State Kansas Sec. 14 Twp. 29S Rg. 14W

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
Gas to surface in 6 minutes PRE FLOW						
	5 Min	30 PSIG	1/4" Orifice			61,900 C.F.P.D.
	10 Min	10 PSIG	3/4" Orifice			259,000 C.F.P.D.
	15 Min	15 PSIG	3/4" Orifice			331,000 C.F.P.D.
	20 Min	22 PSIG	3/4" Orifice			424,000 C.F.P.D.
	25 Min	26 PSIG	3/4" Orifice			473,000 C.F.P.D.
	30 Min	37 PSIG	3/4" Orifice			605,000 C.F.P.D.
Surging from 10 PSIG to 40 PSIG SECOND FLOW first 20 minutes.						
	25 Min	36 PSIG	1 1/4" Orifice			1,836,000 C.F.P.D.
	30 Min	36 PSIG	1 1/4" Orifice			1,836,000 C.F.P.D.
	35 Min	36 PSIG	1 1/4" Orifice			1,836,000 C.F.P.D.
	40 Min	36 PSIG	1 1/4" Orifice			1,836,000 C.F.P.D.
	45 Min	36 PSIG	1 1/4" Orifice			1,836,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 12-11-80

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 1/2% per month, equal to 18% 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 Kansas Oil Corporation
 Authorized by Robert Llaymon

WESTERN TESTING CO., INC.

Pressure Data

Date 12-11-80 Recorder No. 1566 Capacity 4300 Test Ticket No. 8211 Location 3756 Ft.
Clock No. - Elevation 1967 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1907 P.S.I.	1:10P	M
B First Initial Flow Pressure	536 P.S.I.	30 Mins.	35 Mins.
C First Final Flow Pressure	643 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1476 P.S.I.	45 Mins.	50 Mins.
E Second Initial Flow Pressure	643 P.S.I.	90 Mins.	105 Mins.
F Second Final Flow Pressure	514 P.S.I.		
G Final Closed-in Pressure	1486 P.S.I.		
H Final Hydrostatic Mud	1766 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>7</u> Inc.		Breakdown: <u>22</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>35</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	536	0	643	0	643	0	514
P 2	5	536	3	1309	5	648	3	1225
P 3	10	545	6	1371	10	682	6	1309
P 4	15	577	9	1399	15	707	9	1347
P 5	20	588	12	1416	20	675	12	1373
P 6	25	607	15	1431	25	596	15	1393
P 7	30	631	18	1440	30	562	18	1410
P 8	35	643	21	1448	35	541	21	1420
P 9			24	1453	40	524	24	1433
P10			27	1458	45	517	27	1442
P11			30	1461	50	514	30	1447
P12			33	1463			33	1453
P13			36	1465			36	1456
P14			39	1467			39	1459
P15			42	1469			42	1462
P16			45	1471			45	1465
P17			48	1472			48	1467
P18			51	1473			51	1469
P19			54	1474			54	1471
P20			57	1475			57	1473
WTC - 4			60	1476			60	1475
			63	1476				
			66	1476				

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

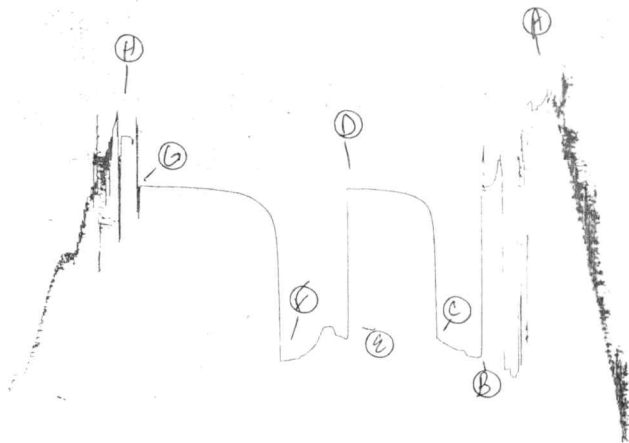
Date 12-11-80 Recorder No. 1566 Capacity 4300 Test Ticket No. 8211 3756
 Clock No. - Elevation 1967 Kelly Bushing Location - Ft. -
 Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1907 P.S.I.	1:10P	M
B First Initial Flow Pressure	536 P.S.I.	30 Mins.	35 Mins.
C First Final Flow Pressure	643 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1476 P.S.I.	45 Mins.	50 Mins.
E Second Initial Flow Pressure	643 P.S.I.	90 Mins.	105 Mins.
F Second Final Flow Pressure	514 P.S.I.		
G Final Closed-in Pressure	1486 P.S.I.		
H Final Hydrostatic Mud	1766 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>7</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>22</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Breakdown: <u>35</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
P 1						63	1477
P 2						66	1479
P 3						69	1481
P 4						72	1482
P 5						75	1483
P 6						78	1483
P 7						81	1483
P 8						84	1483
P 9						87	1484
P10						90	1484
P11						93	1484
P12						96	1485
P13						99	1485
P14						102	1486
P15						105	1486
P16							
P17							
P18							
P19							
P20							

JKP-# 82.11
I



Company Kansas Oil Corporation Lease & Well No. Shriver #1
Elevation 1967 Kelly Bushing Formation Lansing Effective Pay - Ft. Ticket No. 8212
Date 12-12-80 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
Test Approved by Robert Llaymon Western Representative Rodger A Mounts

Formation Test No. 3 Interval Tested from 3981 ft. to 4005 ft. Total Depth 4005 ft.

Packer Depth 3976 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3981 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3991 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4005 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 150 I. D. 2.2 in.

Mud Type Starch Viscosity 47 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 13.8 cc. Drill Pipe Length 3811 I. D. 3.8 in.

Chlorides 31,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 24 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 XH in.

Blow: Good blow with good build initial flow period. Same blow with good build final flow period. No gas to surface.

Recovered 80 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Read outside chart #3086

Time Set Packer(s) 1:23 ~~P.M.~~ A.M. Time Started Off Bottom 4:23 ~~P.M.~~ A.M. Maximum Temperature 106

Initial Hydrostatic Pressure (A) 1993 P.S.I.

Initial Flow Period Minutes 30 (B) 17 P.S.I. to (C) 12 P.S.I.

Initial Closed In Period Minutes 60 (D) 800 P.S.I.

Final Flow Period Minutes 30 (E) 40 P.S.I. to (F) 35 P.S.I.

Final Closed In Period Minutes 60 (G) 611 P.S.I.

Final Hydrostatic Pressure (H) 1901 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-12-80 Recorder No. 3086 Capacity 4500 Location 4005 Ft.
 Clock No. - Elevation 1967 Kelly Bushing Well Temperature 106 °F

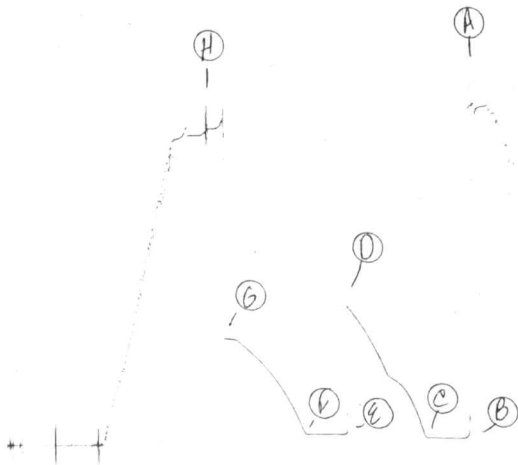
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1993</u> P.S.I.	Open Tool	<u>1:23A</u> M	
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>12</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>800</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>35</u> P.S.I.			
G Final Closed-in Pressure	<u>611</u> P.S.I.			
H Final Hydrostatic Mud	<u>1901</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</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 <u>0</u>	<u>17</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>35</u>
P 2 <u>5</u>	<u>11</u>	<u>3</u>	<u>69</u>	<u>5</u>	<u>35</u>	<u>3</u>	<u>88</u>
P 3 <u>10</u>	<u>11</u>	<u>6</u>	<u>145</u>	<u>10</u>	<u>35</u>	<u>6</u>	<u>145</u>
P 4 <u>15</u>	<u>11</u>	<u>9</u>	<u>211</u>	<u>15</u>	<u>35</u>	<u>9</u>	<u>194</u>
P 5 <u>20</u>	<u>11</u>	<u>12</u>	<u>256</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>239</u>
P 6 <u>25</u>	<u>12</u>	<u>15</u>	<u>296</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>287</u>
P 7 <u>30</u>	<u>12</u>	<u>18</u>	<u>327</u>	<u>30</u>	<u>35</u>	<u>18</u>	<u>322</u>
P 8		<u>21</u>	<u>351</u>			<u>21</u>	<u>358</u>
P 9		<u>24</u>	<u>367</u>			<u>24</u>	<u>391</u>
P10		<u>27</u>	<u>382</u>			<u>27</u>	<u>422</u>
P11		<u>30</u>	<u>422</u>			<u>30</u>	<u>448</u>
P12		<u>33</u>	<u>479</u>			<u>33</u>	<u>476</u>
P13		<u>36</u>	<u>526</u>			<u>36</u>	<u>502</u>
P14		<u>39</u>	<u>574</u>			<u>39</u>	<u>523</u>
P15		<u>42</u>	<u>616</u>			<u>42</u>	<u>544</u>
P16		<u>45</u>	<u>653</u>			<u>45</u>	<u>567</u>
P17		<u>48</u>	<u>693</u>			<u>48</u>	<u>588</u>
P18		<u>51</u>	<u>727</u>			<u>51</u>	<u>604</u>
P19		<u>54</u>	<u>762</u>			<u>54</u>	<u>609</u>
P20		<u>57</u>	<u>781</u>			<u>57</u>	<u>610</u>
		<u>60</u>	<u>800</u>			<u>60</u>	<u>611</u>

3086

JKT # 8212



Company Kansas Oil Corporation Lease & Well No. Shriver #1
 Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 8471
 Date 12-14-80 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
 Test Approved by Robert Llaymon Western Representative Jim Wondra
 Formation Test No. 4 Interval Tested from 4119 ft. to 4160 ft. Total Depth 4160 ft.
 Packer Depth 4114 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4119 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4150 ft. Recorder Number 2607 Cap. 4150
 Bottom Recorder Depth (Outside) 4153 ft. Recorder Number 3351 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 155 I. D. 2 1/4 in.
 Mud Type Premix-Starch Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 8.9 Water Loss 15.2 cc. Drill Pipe Length 3943 I. D. 3.8 in.
 Chlorides 27,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 41 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. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test. Gas to surface in four minutes on preflow.

Recovered 150 ft. of gas cut mud (slightly oil cut - 15% oil)

Recovered 240 ft. of oil & gas cut mud - 10% oil

Recovered 240 ft. of water Chlorides 105,000 PPM

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 1:15 ~~A.M.~~ P.M. Time Started Off Bottom 5:00 ~~A.M.~~ P.M. Maximum Temperature 124
 Initial Hydrostatic Pressure (A) 2089 P.S.I.
 Initial Flow Period Minutes 30 (B) 174 P.S.I. to (C) 186 P.S.I.
 Initial Closed In Period Minutes 60 (D) 860 P.S.I.
 Final Flow Period Minutes 45 (E) 237 P.S.I. to (F) 252 P.S.I.
 Final Closed In Period Minutes 90 (G) 693 P.S.I.
 Final Hydrostatic Pressure (H) 2038 P.S.I.

GAS FLOW REPORT

Date 12-14-80 Ticket 8471 Company Kansas Oil Corporation
 Well Name and No. Shriver #1 Dst No. 4 Interval Tested 4119-4160
 County Pratt State Kansas Sec. 14 Twp. 29S Rg. 14W

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
Gas to surface in 4 minutes				PRE FLOW		
	5 Min	20" water	1½" Orifice			311,000 C.F.P.D.
	10 Min	22" water	1½" Orifice			326,000 C.F.P.D.
	20 Min	26" water	1½" Orifice			355,000 C.F.P.D.
	30 Min	26" water	1½" Orifice			355,000 C.F.P.D.

SECOND FLOW

	5 Min	30" water	1" Orifice			141,000 C.F.P.D.
	15 Min	30" water	1" Orifice			141,000 C.F.P.D.
	25 Min	30" water	1" Orifice			141,000 C.F.P.D.
	35 Min	30" water	1" Orifice			141,000 C.F.P.D.
	45 Min	30" water	1" Orifice			141,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 12-14-80

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 1½% per month, equal to 18% 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 Kansas Oil Corporation
 Authorized by Robert Llaymon

WESTERN TESTING CO., INC.

Pressure Data

Date 12-14-80 Recorder No. 2607 Capacity 4150 Test Ticket No. 8471 Location 4150 Ft.
 Clock No. - Elevation - Well Temperature 124 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2089 P.S.I.	1:15P	M
B First Initial Flow Pressure	174 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	186 P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	860 P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	237 P.S.I.	90 Mins.	90 Mins.
F Second Final Flow Pressure	252 P.S.I.	*Pressures questionable due to tool movement	
G Final Closed-in Pressure	693 P.S.I.		
H Final Hydrostatic Mud	2038 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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	174	0	186	0	237	0	252
P 2 5	152	3	472	5	212	3	498
P 3 10	152	6	579	10	212	6	562
P 4 15	159	9	650*	15	216	9	581
P 5 20	165	12	681*	20	222	12	596
P 6 25	174	15	743*	25	229	15	606
P 7 30	186	18	770*	30	231	18	607
P 8		21	775*	35	237	21	608
P 9		24	768*	40	243	24	609
P10		27	768*	45	252	27	609
P11		30	802*			30	610*
P12		33	818*			33	614*
P13		36	827*			36	627*
P14		39	827*			39	637*
P15		42	833*			42	639*
P16		45	845*			45	646*
P17		48	856*			48	650*
P18		51	860*			51	656*
P19		54	860*			54	660*
P20		57	860*			57	662*
WTC - 4		60	860*			60	664*

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 12-14-80 Test Ticket No. 8471
 Recorder No. 2607 Capacity 4150 Location 4150 Ft.
 Clock No. - Elevation - Well Temperature 124 °F

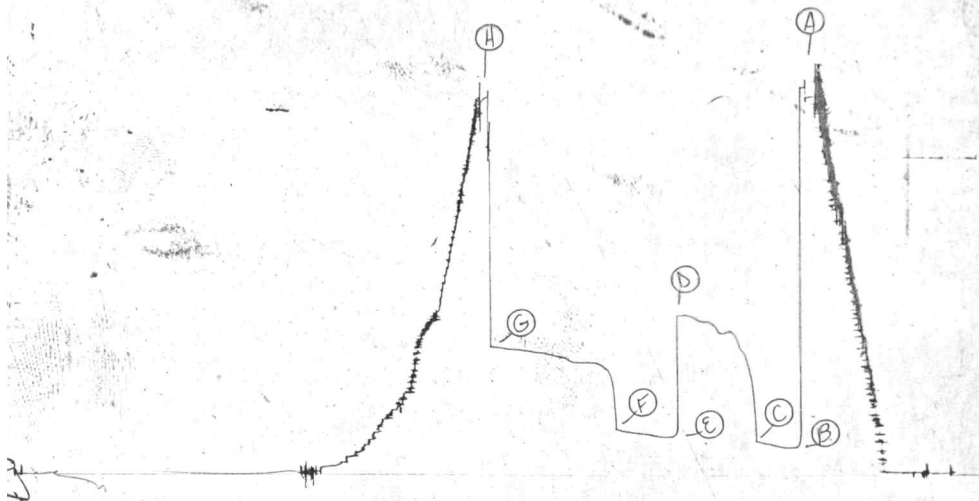
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2089 P.S.I.	1:15P	M
B First Initial Flow Pressure	174 P.S.I.	30	Mins. 30
C First Final Flow Pressure	186 P.S.I.	60	Mins. 60
D Initial Closed-in Pressure	860 P.S.I.	45	Mins. 45
E Second Initial Flow Pressure	237 P.S.I.	90	Mins. 90
F Second Final Flow Pressure	252 P.S.I.	*Pressures questionable due to tool movement	
G Final Closed-in Pressure	693 P.S.I.		
H Final Hydrostatic Mud	2038 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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						63	668*
P 2						66	673*
P 3						69	677*
P 4						72	679*
P 5						75	680*
P 6						78	682*
P 7						81	684*
P 8						84	687*
P 9						87	690*
P10						90	693*
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 8471

I



Company Kansas Oil Corporation Lease & Well No. Shriver #1
Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 8472
Date 12-15-80 Sec. 14 Twp. 29S Range 14W County Pratt State Kansas
Test Approved by Robert Llaymon Western Representative Jim Wondra
Formation Test No. 5 Interval Tested from 4178 ft. to 4190 ft. Total Depth 4190 ft.
Packer Depth 4173 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4178 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4181 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4184 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Spartan Drilling Rig #2 Drill Collar Length 155 I. D. 2 1/4 in.
Mud Type Premix Starch Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 8.8 Water Loss 12.0 cc. Drill Pipe Length 4002 I. D. 3.8 in.
Chlorides 28,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 12 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: Strong blow throughout test.

Recovered 150 ft. of gas cut mud - few specks of oil

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Slid tool 4 ft to bottom.

Time Set Packer(s) 9:20 ~~A.M.~~ P.M. Time Started Off Bottom 12:20 ~~A.M.~~ P.M. Maximum Temperature 125
Initial Hydrostatic Pressure (A) 2168 P.S.I.
Initial Flow Period Minutes 30 (B) 53 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period Minutes 63 (D) 1252 P.S.I.
Final Flow Period Minutes 30 (E) 46 P.S.I. to (F) 49 P.S.I.
Final Closed In Period Minutes 63 (G) 1353 P.S.I.
Final Hydrostatic Pressure (H) 2159 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-15-80

Recorder No. 2607

Capacity 4150

Test Ticket No. 8472

Clock No. - Elevation -

Location 4181 Ft.

Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2168</u>	P.S.I.	<u>9:20A</u>	<u>M</u>
B First Initial Flow Pressure	<u>53</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
C First Final Flow Pressure	<u>51</u>	P.S.I.	<u>60</u>	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1252</u>	P.S.I.	<u>30</u>	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u>	P.S.I.	<u>60</u>	<u>63</u> Mins.
F Second Final Flow Pressure	<u>49</u>	P.S.I.		
G Final Closed-in Pressure	<u>1353</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2159</u>	P.S.I.		

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 21 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: 21 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 <u>0</u>	<u>53</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>49</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>57</u>	<u>5</u>	<u>46</u>	<u>3</u>	<u>64</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>80</u>	<u>10</u>	<u>46</u>	<u>6</u>	<u>140</u>
P 4 <u>15</u>	<u>48</u>	<u>9</u>	<u>112</u>	<u>15</u>	<u>47</u>	<u>9</u>	<u>258</u>
P 5 <u>20</u>	<u>49</u>	<u>12</u>	<u>174</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>364</u>
P 6 <u>25</u>	<u>50</u>	<u>15</u>	<u>222</u>	<u>25</u>	<u>49</u>	<u>15</u>	<u>475</u>
P 7 <u>30</u>	<u>51</u>	<u>18</u>	<u>296</u>	<u>30</u>	<u>49</u>	<u>18</u>	<u>573</u>
P 8		<u>21</u>	<u>343</u>			<u>21</u>	<u>632</u>
P 9		<u>24</u>	<u>422</u>			<u>24</u>	<u>693</u>
P10		<u>27</u>	<u>485</u>			<u>27</u>	<u>756</u>
P11		<u>30</u>	<u>576</u>			<u>30</u>	<u>810</u>
P12		<u>33</u>	<u>648</u>			<u>33</u>	<u>856</u>
P13		<u>36</u>	<u>733</u>			<u>36</u>	<u>902</u>
P14		<u>39</u>	<u>806</u>			<u>39</u>	<u>995</u>
P15		<u>42</u>	<u>889</u>			<u>42</u>	<u>1083</u>
P16		<u>45</u>	<u>958</u>			<u>45</u>	<u>1138</u>
P17		<u>48</u>	<u>1023</u>			<u>48</u>	<u>1192</u>
P18		<u>51</u>	<u>1082</u>			<u>51</u>	<u>1238</u>
P19		<u>54</u>	<u>1135</u>			<u>54</u>	<u>1278</u>
P20		<u>57</u>	<u>1178</u>			<u>57</u>	<u>1305</u>
WTC - 4		<u>60</u>	<u>1215</u>			<u>60</u>	<u>1334</u>
		<u>63</u>	<u>1252</u>			<u>63</u>	<u>1353</u>

TKT # 81472

0

