

Company Texas Oil & Gas Corporation Lease & Well No. Elliott "A" #1
 Elevation 1660 Kelly Bushing Formation Mississippi Effective Pay --- Ft. Ticket No. 4034
 Date 10/19/79 Sec. 16 Twp. 31S Range 12W County Barber State Kansas
 Test Approved by K. W. Dahlberg Western Representative Mike Tritt-Rod Tritt
 Formation Test No. 1 Interval Tested from 4351 ft. to 4376 ft. Total Depth 4376 ft.
 Packer Depth 4346 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4351 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set --
 Top Recorder Depth (Inside) 4355 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 4358 ft. Recorder Number 2605 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor H-30 Drilling Rig #5 Drill Collar Length 216 I. D. 2 1/4 in.
 Mud Type premix Viscosity 38 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 22 cc. Drill Pipe Length - I. D. 3.8 in.
 Chlorides 17,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 406 Anchor Length 25 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: Strong blow throughout test. No gas to surface

Recovered 150 ft. of water cut mud
 Recovered 120 ft. of muddy water
 Recovered 360 ft. of water chlorides Top: 54,000 ppm
 Recovered ft. of Middle : 66,000 ppm
 Recovered ft. of Bottom : 90,000 ppm
 Remarks:

Time Set Packer(s) 2:07 ~~A.M.~~ P.M. Time Started Off Bottom 5:55 ~~A.M.~~ P.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure (A) 2301 P.S.I.
 Initial Flow Period Minutes 30 (B) 82 P.S.I. to (C) 162 P.S.I.
 Initial Closed In Period Minutes 60 (D) 166 P.S.I.
 Final Flow Period Minutes 45 (E) 203 P.S.I. to (F) 272 P.S.I.
 Final Closed In Period Minutes 90 (G) 1650 P.S.I.
 Final Hydrostatic Pressure (H) 2269 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-19-79 Test Ticket No. 4034
 Recorder No. 3354 Capacity 4200 Location 4355 Ft.
 Clock No. - Elevation 1660 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2301	P.S.I.	2:07P.	M
B First Initial Flow Pressure	82	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	162	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	166	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	203	P.S.I.	90	Mins. 90 Mins.
F Second Final Flow Pressure	272	P.S.I.		
G Final Closed-in Pressure	1650	P.S.I.		
H Final Hydrostatic Mud	2269	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 <u>0</u>	<u>82</u>	<u>0</u>	<u>162</u>	<u>0</u>	<u>203</u>	<u>0</u>	<u>272</u>
P 2 <u>5</u>	<u>95</u>	<u>3</u>	<u>749</u>	<u>5</u>	<u>196</u>	<u>3</u>	<u>654</u>
P 3 <u>10</u>	<u>122</u>	<u>6</u>	<u>987</u>	<u>10</u>	<u>207</u>	<u>6</u>	<u>886</u>
P 4 <u>15</u>	<u>133</u>	<u>9</u>	<u>1162</u>	<u>15</u>	<u>217</u>	<u>9</u>	<u>1042</u>
P 5 <u>20</u>	<u>146</u>	<u>12</u>	<u>1293</u>	<u>20</u>	<u>228</u>	<u>12</u>	<u>1188</u>
P 6 <u>25</u>	<u>158</u>	<u>15</u>	<u>1392</u>	<u>25</u>	<u>238</u>	<u>15</u>	<u>1295</u>
P 7 <u>30</u>	<u>162</u>	<u>18</u>	<u>1462</u>	<u>30</u>	<u>249</u>	<u>18</u>	<u>1371</u>
P 8		<u>21</u>	<u>1508</u>	<u>35</u>	<u>257</u>	<u>21</u>	<u>1428</u>
P 9		<u>24</u>	<u>1545</u>	<u>40</u>	<u>266</u>	<u>24</u>	<u>1468</u>
P10		<u>27</u>	<u>1570</u>	<u>45</u>	<u>272</u>	<u>27</u>	<u>1498</u>
P11		<u>30</u>	<u>1589</u>			<u>30</u>	<u>1521</u>
P12		<u>33</u>	<u>1604</u>			<u>33</u>	<u>1540</u>
P13		<u>36</u>	<u>1617</u>			<u>36</u>	<u>1555</u>
P14		<u>39</u>	<u>1627</u>			<u>39</u>	<u>1568</u>
P15		<u>42</u>	<u>1633</u>			<u>42</u>	<u>1578</u>
P16		<u>45</u>	<u>1640</u>			<u>45</u>	<u>1589</u>
P17		<u>48</u>	<u>1646</u>			<u>48</u>	<u>1597</u>
P18		<u>51</u>	<u>1650</u>			<u>51</u>	<u>1604</u>
P19		<u>54</u>	<u>1654</u>			<u>54</u>	<u>1610</u>
P20		<u>57</u>	<u>1657</u>			<u>57</u>	<u>1614</u>
		<u>60</u>	<u>1661</u>			<u>60</u>	<u>1619</u>

WESTERN TESTING CO., INC. **Pressure Data**

Date 10-19-79 Test Ticket No. 4034
 Recorder No. 3354 Capacity 4200 Location 4355 Ft.
 Clock No. - Elevation 1660 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2301</u> P.S.I.	Open Tool	<u>2:07P.</u> M	
B First Initial Flow Pressure	<u>82</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>162</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>166</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>203</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>272</u> P.S.I.			
G Final Closed-in Pressure	<u>1650</u> P.S.I.			
H Final Hydrostatic Mud	<u>2269</u> 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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

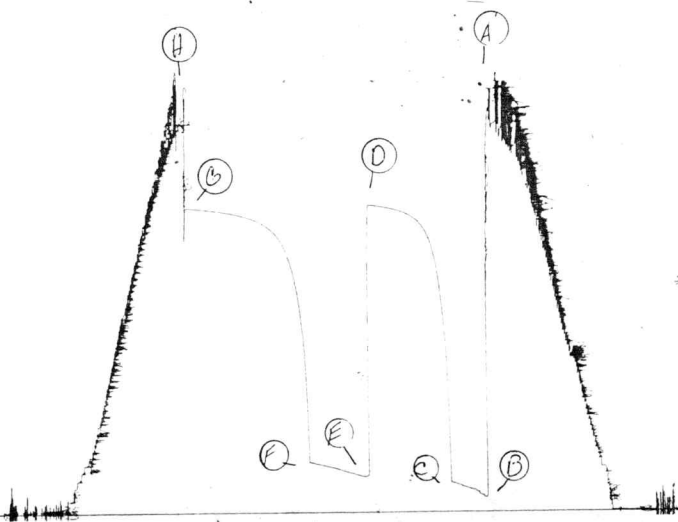
Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						<u>63</u>	<u>1625</u>
P 2						<u>66</u>	<u>1627</u>
P 3						<u>69</u>	<u>1631</u>
P 4						<u>72</u>	<u>1634</u>
P 5						<u>75</u>	<u>1637</u>
P 6						<u>78</u>	<u>1640</u>
P 7						<u>81</u>	<u>1643</u>
P 8						<u>84</u>	<u>1646</u>
P 9						<u>87</u>	<u>1648</u>
P10						<u>90</u>	<u>1650</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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Company Texas Oil & Gas Corporation Lease & Well No. Elliott "A" #1
Elevation 1660 Kelly Bushing Mississippi Effective Pay ---- Ft. Ticket No. 4035
Date 10/21/79 Sec. 16 Twp. 31S Range 12W County Barber State Kansas
Test Approved by Stephen E. Etchinson Western Representative Mike Tritt-Rod Tritt

Formation Test No. 2 Interval Tested from 4350 ft. to 4360 ft. Total Depth 4396 ft.
Packer Depth 4343 ft. Size 6 3/4 in. Packer Depth 4360 ft. Size 6 3/4 in.
Packer Depth 4350 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4339 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) 4353 ft. Recorder Number 2605 Cap. 4150
Below Straddle Recorder Depth 4394 ft. Recorder Number WTC Cap. -

Drilling Contractor H-30 Drilling Rig #5 Drill Collar Length 216 I. D. 2 1/4 in.
Mud Type premix Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.1 Water Loss 19.2 cc. Drill Pipe Length 4008 I. D. 3.8 in.
Chlorides 19,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 406 Anchor Length 42 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: Weak building to strong blow, building in twenty-five minutes on initial flow. Weak to strong blow thirty minutes on final flow.

Recovered 60 ft. of water cut mud
Recovered 190 ft. of mud cut water chlorides Top : 32,000 ppm
Recovered ft. of Middle : 44,000 ppm
Recovered ft. of Bottom : 44,000 ppm
Recovered ft. of

Remarks: Four feet of fill in bottom of hole.

Time Set Packer(s) 1:55 A.M. Time Started Off Bottom 5:55 A.M. Maximum Temperature 120⁰
Initial Hydrostatic Pressure 2245 P.S.I.
Initial Flow Period 30 Minutes (B) 49 P.S.I. to (C) 65 P.S.I.
Initial Closed In Period 60 Minutes (D) 1441 P.S.I.
Final Flow Period 60 Minutes (E) 91 P.S.I. to (F) 117 P.S.I.
Final Closed In Period 99 Minutes (G) 1447 P.S.I.
Final Hydrostatic Pressure 2216 P.S.I. (H)

WESTERN TESTING CO., INC. **Pressure Data**

Date 10/21/79 Recorder No. 3354 Capacity 4200 Test Ticket No. 4035
 Clock No. --- Elevation 1660 Kelly Bushing Location 120 Ft. 4339
 Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245	P.S.I.	1:55A	M
B First Initial Flow Pressure	49	P.S.I.	30	30
C First Final Flow Pressure	65	P.S.I.	60	60
D Initial Closed-in Pressure	1441	P.S.I.	60	60
E Second Initial Flow Pressure	91	P.S.I.	90	99
F Second Final Flow Pressure	117	P.S.I.		
G Final Closed-in Pressure	1447	P.S.I.		
H Final Hydrostatic Mud	2216	P.S.I.		
Open Tool				
First Flow Pressure				
Initial Closed-in Pressure				
Second Flow Pressure				
Final Closed-in Pressure				

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>12</u> Inc.		Breakdown: <u>32</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>49</u>	<u>0</u>	<u>65</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>117</u>
P 2 <u>5</u>	<u>44</u>	<u>3</u>	<u>165</u>	<u>5</u>	<u>87</u>	<u>3</u>	<u>184</u>
P 3 <u>10</u>	<u>49</u>	<u>6</u>	<u>352</u>	<u>10</u>	<u>88</u>	<u>6</u>	<u>297</u>
P 4 <u>15</u>	<u>53</u>	<u>9</u>	<u>546</u>	<u>15</u>	<u>91</u>	<u>9</u>	<u>432</u>
P 5 <u>20</u>	<u>59</u>	<u>12</u>	<u>698</u>	<u>20</u>	<u>95</u>	<u>12</u>	<u>559</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>806</u>	<u>25</u>	<u>99</u>	<u>15</u>	<u>658</u>
P 7 <u>30</u>	<u>65</u>	<u>18</u>	<u>896</u>	<u>30</u>	<u>101</u>	<u>18</u>	<u>743</u>
P 8		<u>21</u>	<u>981</u>	<u>35</u>	<u>103</u>	<u>21</u>	<u>812</u>
P 9		<u>24</u>	<u>1038</u>	<u>40</u>	<u>108</u>	<u>24</u>	<u>873</u>
P10		<u>27</u>	<u>1099</u>	<u>45</u>	<u>110</u>	<u>27</u>	<u>932</u>
P11		<u>30</u>	<u>1152</u>	<u>50</u>	<u>112</u>	<u>30</u>	<u>981</u>
P12		<u>33</u>	<u>1198</u>	<u>55</u>	<u>116</u>	<u>33</u>	<u>1023</u>
P13		<u>36</u>	<u>1240</u>	<u>60</u>	<u>117</u>	<u>36</u>	<u>1063</u>
P14		<u>39</u>	<u>1274</u>			<u>39</u>	<u>1097</u>
P15		<u>42</u>	<u>1302</u>			<u>42</u>	<u>1131</u>
P16		<u>45</u>	<u>1329</u>			<u>45</u>	<u>1162</u>
P17		<u>48</u>	<u>1359</u>			<u>48</u>	<u>1190</u>
P18		<u>51</u>	<u>1380</u>			<u>51</u>	<u>1217</u>
P19		<u>54</u>	<u>1399</u>			<u>54</u>	<u>1241</u>
P20		<u>57</u>	<u>1432</u>			<u>57</u>	<u>1264</u>
		<u>60</u>	<u>1441</u>			<u>60</u>	<u>1283</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 10/21/79 Recorder No. 3354 Capacity 4200 Test Ticket No. 4035
 Clock No. --- Elevation 1660 Kelly Bushing Location 4339 Ft. 120
 Well Temperature --- °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245	P.S.I.	1:55A	M
B First Initial Flow Pressure	49	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	65	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1441	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	91	P.S.I.	90	Mins. 99 Mins.
F Second Final Flow Pressure	117	P.S.I.		
G Final Closed-in Pressure	1447	P.S.I.		
H Final Hydrostatic Mud	2216	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: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

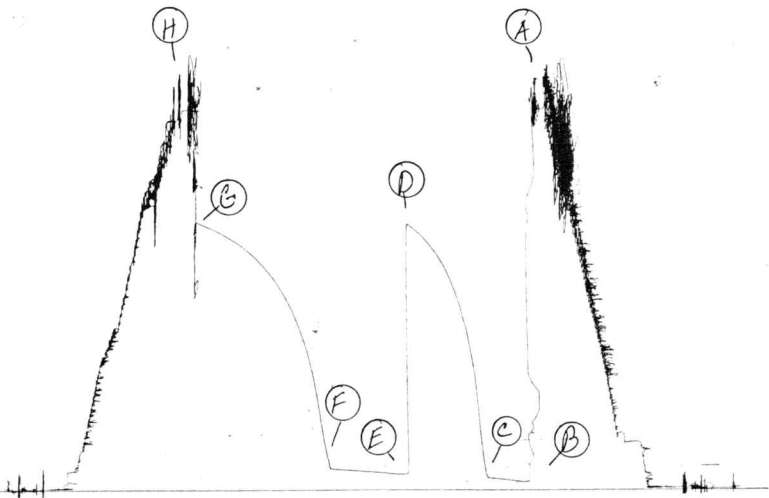
Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 32 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						63	1300
P 2						66	1319
P 3						69	1333
P 4						72	1350
P 5						75	1363
P 6						78	1378
P 7						81	1388
P 8						84	1401
P 9						87	1409
P10						90	1420
P11						93	1430
P12						96	1437
P13						99	1447
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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