



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 2343

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1267 KB Formation Bartlesville Eff. Pay Ft.

District Augusta Date 9-26-83 Customer Order No.

COMPANY NAME TXO Production Corp.

ADDRESS 200 W Douglas Suite 300 Wichita, Ks. 67202

LEASE AND WELL NO. Johnson "Z" #1 COUNTY CH Cowley STATE KS Sec. 6 Twp. 30S Rge. 5E

Mail Invoice To Same Co. Name Johnson Address No. Copies Requested 1

Mail Charts To Same #1 "Z" Johnson Address No. Copies Requested 56

Formation Test No. 1 Interval Tested From 2809 ft. to 2823 ft. Total Depth 2823 ft.

Packer Depth 2804 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2809 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2787 ft. Recorder Number 13265 Cap. 3975

Bottom Recorder Depth (Outside) 2818 ft. Recorder Number 5666 Cap. 3950

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor MCA Hester 49 Drill Collar Length 371 I. D. 2 1/4 in.

Mud Type Chem Viscosity 40 Weight Pipe Length I. D. in.

Weight 9.4+ Water Loss cc. Drill Pipe Length 2468 I. D. 3.8 in.

Chlorides P.P.M. Test Tool Length 35 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 408 Anchor Length 14 3/4 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 1/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong thru out

Recovered 120 ft. of VERY slight Gas cut Muddy salt water

Recovered 780 ft. of Muddy salt water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 130,000 P.P.M. Sample Jars used 2 Remarks: Pressures and recovery correlates with other wells in area.

Time On Location 11:15 A.M. Time Pick Up Tool 3:30 P.M. Time Off Location 1:30 P.M.

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 9:00 P.M. Maximum Temperature 110°F

Initial Hydrostatic Pressure (A) 1370 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 360 P.S.I.

Initial Closed In Period (D) 60 Minutes (E) 1340 P.S.I.

Final Flow Period (F) 45 Minutes (G) 390 P.S.I.

Final Closed In Period (H) 90 Minutes (H) 1360 P.S.I.

Final Hydrostatic Pressure 1260 P.S.I. #13265

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert Chapman Signature of Customer or his authorized representative

Western Representative Allen Edgington

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$550.00), Misrun, Straddle Test, Jars (\$300.00), Selective Zone, Safety Joint (\$65.00), Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance (\$50.00), Telecopier, and TOTAL (\$765.00).

WESTERN TESTING CO., INC.

Pressure Data

Date 9/20/83

Test Ticket No. 2342

Recorder No. 13265 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1365</u> P.S.I.			M
B. First Initial Flow Pressure	<u>83</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	_____ Mins.
C. First Final Flow Pressure	<u>364</u> P.S.I.	Initial Closed-in Pressure	40 Mins.	_____ Mins.
D. Initial Closed-in Pressure	<u>1350</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	_____ Mins.
E. Second Initial Flow Pressure	<u>393</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	_____ Mins.
F. Second Final Flow Pressure	<u>428</u> P.S.I.			
G. Final Closed-in Pressure	<u>1353</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1250</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>21</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: _____ 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>0</u>	<u>83</u>	<u>0</u>	<u>364</u>	<u>0</u>	<u>428</u>
P 2	<u>5</u>	<u>3</u>	<u>125</u>	<u>3</u>	<u>368</u>	<u>3</u>	<u>798</u>
P 3	<u>10</u>	<u>6</u>	<u>208</u>	<u>6</u>	<u>635</u>	<u>6</u>	<u>1073</u>
P 4	<u>15</u>	<u>9</u>	<u>301</u>	<u>9</u>	<u>1094</u>	<u>9</u>	<u>1143</u>
P 5	<u>20</u>	<u>12</u>	<u>353</u>	<u>12</u>	<u>1168</u>	<u>12</u>	<u>1183</u>
P 6	<u>25</u>	<u>15</u>	<u>364</u>	<u>15</u>	<u>1204</u>	<u>15</u>	<u>1211</u>
P 7	<u>30</u>	<u>18</u>		<u>18</u>	<u>1228</u>	<u>18</u>	<u>1233</u>
P 8	<u>35</u>	<u>21</u>		<u>21</u>	<u>1249</u>	<u>21</u>	<u>1245</u>
P 9	<u>40</u>	<u>24</u>		<u>24</u>	<u>1267</u>	<u>24</u>	<u>1260</u>
P10	<u>45</u>	<u>27</u>		<u>27</u>	<u>1280</u>	<u>27</u>	<u>1268</u>
P11	<u>50</u>	<u>30</u>		<u>30</u>	<u>1290</u>	<u>30</u>	<u>1278</u>
P12	<u>55</u>	<u>33</u>		<u>33</u>	<u>1298</u>	<u>33</u>	<u>1284</u>
P13	<u>60</u>	<u>36</u>		<u>36</u>	<u>1310</u>	<u>36</u>	<u>1292</u>
P14		<u>39</u>		<u>39</u>	<u>1315</u>	<u>39</u>	<u>1298</u>
P15		<u>42</u>		<u>42</u>	<u>1322</u>	<u>42</u>	<u>1304</u>
P16		<u>45</u>		<u>45</u>	<u>1331</u>	<u>45</u>	<u>1310</u>
P17		<u>48</u>		<u>48</u>	<u>1335</u>	<u>48</u>	<u>1313</u>
P18		<u>51</u>		<u>51</u>	<u>1338</u>	<u>51</u>	<u>1316</u>
P19		<u>54</u>		<u>54</u>	<u>1343</u>	<u>54</u>	<u>1321</u>
P20		<u>57</u>		<u>57</u>	<u>1346</u>	<u>57</u>	<u>1325</u>
		<u>60</u>		<u>60</u>	<u>1350</u>	<u>60</u>	<u>1329</u>

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 2343

Recorder No. _____ Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool	_____ M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

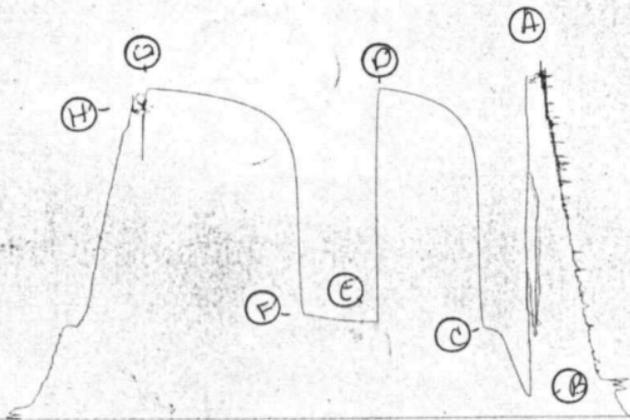
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ 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		63				63	1332
P 2		66				66	1335
P 3		69				69	1339
P 4		72				72	1342
P 5		75				75	1343
P 6		78				78	1345
P 7		81				81	1347
P 8		84				84	1350
P 9		87				87	1351
P10		90				90	1353
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

fcc # 2343

I

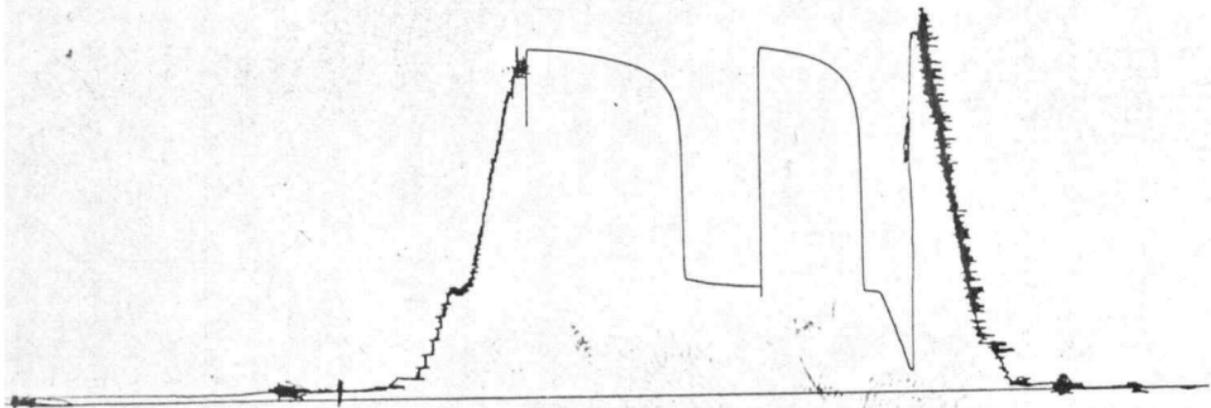
2343



TKC¹⁷ 2342

0

542



WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/26/83
CUSTOMER: TXO PRODUCTION CORP.
WELL: 1
ELEVATION (KB): 1267
SECTION: 6
RANGE: 5E
GAUGE SN #13265

TEST: 1
FORMATION: BARTLESVILLE
TOWNSHIP: 30S
COUNTY: COWLEY
RANGE: 3975

TICKET #2343
LEASE: "Z" JOHNSON
GEOLOGIST: LAYMON
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 2809 FT TO: 2823 FT TOTAL DEPTH: 2823 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2804 FT SIZE: 6 3/4 IN PACKER DEPTH: 2809 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: MCALLISTER
MUD TYPE: CHEMICAL VISCOSITY: 40
WEIGHT: 9.4+ WATER LOSS (CC):
CHLORIDES (P.P.M.):
JARS - MAKE: WTC SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 311 FT I.D.: 2 1/4 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2468 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 35 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 14 FT SIZE: 5 1/2 IN
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: STRONG BLOW THROUGHOUT TEST.

RECOVERED: 120 FT OF: VERY SLIGHTLY GAS CUT MUDDY SALTWATER
RECOVERED: 780 FT OF: MUDDY SALTWATER
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: CHLORIDES 130000 PPM

TIME SET PACKER(S): 5:15 AM TIME STARTED OFF BOTTOM: 9:00 AM
WELL TEMPERATURE: 110 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1365 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 83 PSI TO (C) 364 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1350 PSI
FINAL FLOW PERIOD MIN: 45 (E) 393 PSI TO (F) 428 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1353 PSI
FINAL HYDROSTATIC PRESSURE (H) 1250 PSI

