WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 16577

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

Elevation 1738 K.B Formation Miss Eff. Pay Ft.

District Great Bend Date 8-31-83 Customer Order No.

COMPANY NAME T.X.O. Production Corp.

ADDRESS 200 W. Douglas Suite 300 Wichita Ks 67202

LEASE AND WELL NO. Price P-1 COUNTY Kingman STATE Kansas Sec. 18 Twp. 30 S Rge. 9 W

Mail Invoice To Same Co. Name As Above Address #1 "P" PRICE No. Copies Requested 6

Mail Charts To " " " see Atta sheet Address No. Copies Requested 6

Formation Test No. 1 Interval Tested From 4373 ft. to 4390 ft. Total Depth 4390 ft.

Packer Depth 4368 ft. Size 6 5/8 in. Packer Depth 4373 ft. Size 6 5/8 in.

Packer Depth — ft. Size — in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4380 ft. Recorder Number ~~15671~~ 2606 Cap. 4000

Bottom Recorder Depth (Outside) 4383 ft. Recorder Number ~~2606~~ 1567 Cap.

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor H-30 #2 Drill Collar Length 379 I. D. 2 7/4 in.

Mud Type Drispac Viscosity 40 Weight Pipe Length — I. D. — in.

Weight 9.1 Water Loss 14.4 cc. Drill Pipe Length 3965 I. D. 3.8 in.

Chlorides 13,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make Bowen Serial Number 402 Anchor Length 17 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. Tool Joint Size 4 1/2 XH in.

Blow: Strong on Preflow
Strong on 2nd Flow Gas Surf when Tool opened see Gas Sheet

Recovered 30' ft. of Gas Cut Mud

Recovered 60' ft. of 90% Mud 7% Water 3% Oil

Recovered 60' ft. of 10° Mud 80° Water 3% Oil 7° Gas

Recovered ft. of

Recovered ft. of Water 27,000 ppm Chlorides

Remarks:

Time On Location 11:15 A.M. / P.M. Time Pick Up Tool 2:00 A.M. / P.M. Time Off Location A.M. / P.M.

Time Set Packer(s) 4:45 A.M. / P.M. Time Started Off Bottom 8:30 A.M. / P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure			(A)	2683	P.S.I.	
Initial Flow Period	Minutes	30	(B)	91	P.S.I. to (C)	60 P.S.I.
Initial Closed In Period	Minutes	60	(D)	1512	P.S.I.	
Final Flow Period	Minutes	45	(E)	91	P.S.I. to (F)	60 P.S.I.
Final Closed In Period	Minutes	90	(G)	1461	P.S.I.	
Final Hydrostatic Pressure			(H)	2673	P.S.I.	

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 Ronnie Goodheart
Signature of Customer or his authorized representative

Western Representative Mark Phipps

Thank You

FIELD INVOICE

Open Hole Test	$ 545.00
Misrun	$
Straddle Test	$
Jars	$ 300.00
Selective Zone	$
Safety Joint	$ 165.00
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage	$
Fluid Sampler	$
Extra Charts	$
Insurance	$
Telecopier	$
TOTAL	$ 960.00

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

No. 2832

GAS FLOW REPORT

Date 8-31-83 Ticket 16577 Company TXO Prod Corp

Well Name and No. Price - P-1 Dst No. 1 Interval Tested 4373-4390

County Kingman State Ks Sec. 18 Twp. 30S Rg. 9W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow

PRE FLOW

SECOND FLOW

Gas Surface on 2nd Flow

10 min	14" H2O	1/2"	—	—	23,700 C.F.P.D
20 "	22"	1/2	—	—	29,400 " "
30 "	22 "	1/2	—	—	29,400 " "
40 "	22 "	1/2	—	—	29,400 " "
45 "	22 "	1/2	—	—	29,400 " "

GAS BOTTLE

Serial No. 2EK 77 Date Bottle Filled 8-31-83 Date to be Invoiced 9-31-83

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.

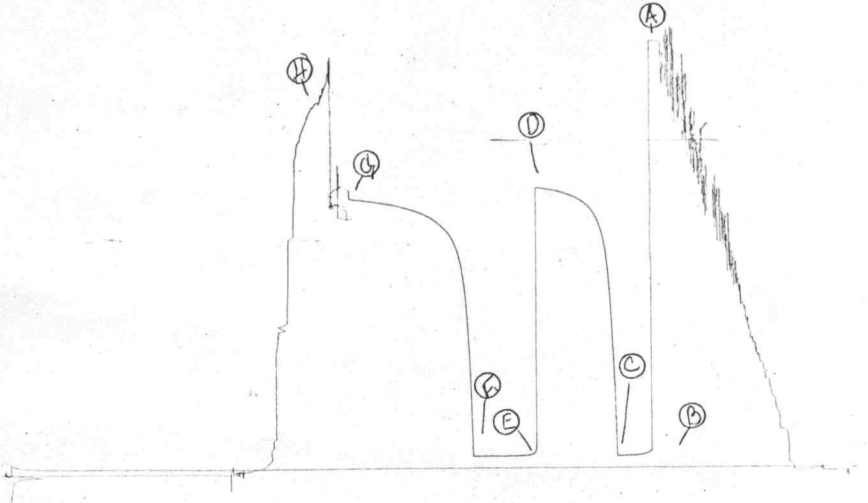
COMPANY'S NAME T.X.O. Prod Corp.

Authorized by Lonnie Gadkenny

FORM WTC 9

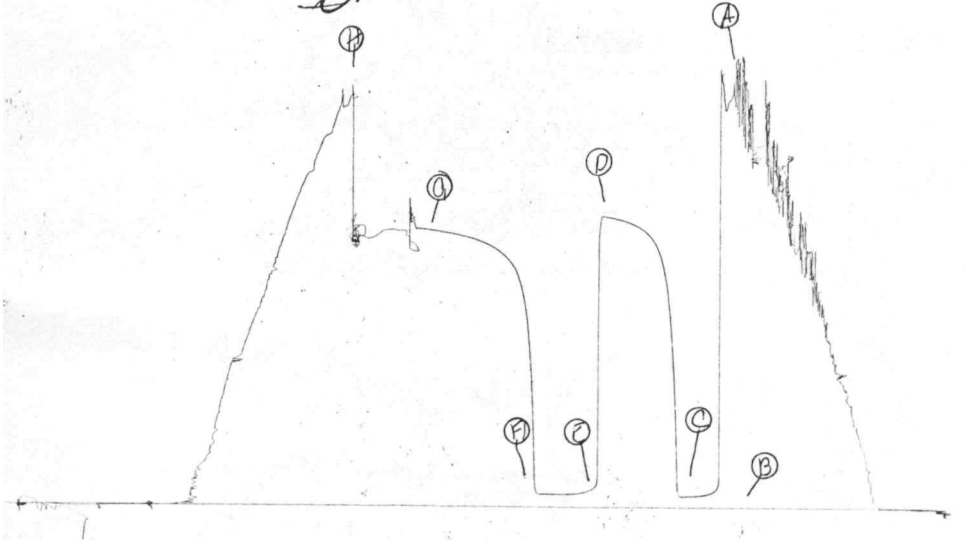
TK#16577

I.



Tkt# 16577

D



WESTERN TESTING CO., INC.
Pressure Data

Date 8-31-83 Test Ticket No. 16577

Recorder No. 2606 Capacity 4000 Location 4380 Ft.

Clock No. — — — — Elevation 1738 KB Well Temperature 126 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2060	P.S.I.	Open Tool	4:45 AM	
B	First Initial Flow Pressure	92	P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	64	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1511	P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	91	P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	64	P.S.I.			
G	Final Closed-in Pressure	1450	P.S.I.			
H	Final Hydrostatic Mud	2034	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	92
P 2	5	73
P 3	10	67
P 4	15	64
P 5	20	64
P 6	25	64
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	64
3	606
6	856
9	1085
12	1215
15	1294
18	1348
21	1390
24	1415
27	1431
30	1448
33	1460
36	1469
39	1477
42	1488
45	1492
48	1498
51	1502
54	1505
57	1508
60	1511

Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	91
5	69
10	65
15	64
20	63
25	64
30	64
35	64
40	64
45	64
50	
55	
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	64
3	534
6	861
9	1060
12	1147
15	1211
18	1254
21	1280
24	1304
27	1322
30	1335
33	1353
36	1363
39	1374
42	1382
45	1390
48	1397
51	1405
54	1409
57	1416
60	1419

cont →

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 16577

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 5 mins. and a
final inc. of 0 Min.

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

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

Final Shut-In
Breakdown: _____ 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				63	1424
P 2		66				66	1428
P 3		69				69	1431
P 4		72				72	1434
P 5		75				75	1435
P 6		78				78	1439
P 7		81				81	1443
P 8		84				84	1445
P 9		87				87	1446
P10		90				90	1450
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	

WTC - 4

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/31/83 TICKET #16577
CUSTOMER: T. X. O. PRODUCTION CORP. LEASE: "P" PRICE
WELL: 1 TEST: 1 GEOLOGIST: L. GADBERRY
ELEVATION (KB): 1738 FORMATION: MISSISSIPPI
SECTION: 18 TOWNSHIP: 30S
RANGE: 9W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #2606 RANGE: 4000 CLOCK: 12

INTERVAL TEST FROM: 4373 FT TO: 4390 FT TOTAL DEPTH: 4390 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4368 FT SIZE: 6 5/8 IN PACKER DEPTH: FT SIZE: IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: H - 30 #2
MUD TYPE: DRISPAC VISCOSITY: 40
WEIGHT: 9.1 WATER LOSS (CC): 14.4
CHLORIDES (P.P.M.): 13000
JARS - MAKE: WTC SERIAL NUMBER: 402
DID WELL FLOW? YES REVERSED OUT?
DRILL COLLAR LENGTH: 379 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3965 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 29 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 17 FT SIZE: 5 1/2 O.D. 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 X.H. IN

BLOW: STRONG ON PREFLOW
STRONG ON SECOND FLOW
GAS SURFACED WHEN TOOL OPENED
SEE GAS FLOW REPORT

RECOVERED: 30 FT OF: GAS CUT MUD
RECOVERED: 60 FT OF: 90% MUD; 7% WATER; 3% OIL
RECOVERED: 60 FT OF: 10% MUD; 80% WATER; 3% OIL;
RECOVERED: FT OF: 7% GAS
RECOVERED: FT OF: WATER - CHLORIDES 27000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:45 A.M. TIME STARTED OFF BOTTOM: 8:30 A.M.
WELL TEMPERATURE: 126 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2060 PSI
INITIAL FLOW PERIOD MIN: 25 (B) 92 PSI TO (C) 64 PSI
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1511 PSI
FINAL FLOW PERIOD MIN: 45 (E) 91 PSI TO (F) 64 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1450 PSI
FINAL HYDROSTATIC PRESSURE (H) 2034 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8/31/83 TICKET #16577
CUSTOMER: T. X. O. PRODUCTION CORP. LEASE: "P" PRICE
WELL: 1 TEST: 1 GEOLOGIST: L. GADBERRY
ELEVATION (KB): 1738 FORMATION: MISSISSIPPI
SECTION: 18 TOWNSHIP: 30S
RANGE: 9W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #2606 RANGE: 4000 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2060	PSI
(B) FIRST INITIAL FLOW PRESSURE:	92	PSI
(C) FIRST FINAL FLOW PRESSURE:	64	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1511	PSI
(E) SECOND INITIAL FLOW PRESSURE:	91	PSI
(F) SECOND FINAL FLOW PRESSURE:	64	PSI
(G) FINAL CLOSED-IN PRESSURE:	1450	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2034	PSI
WELL TEMPERATURE:	126	'F

OPEN TOOL: 4:45 A.M.

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	25	MIN
INITIAL CLOSED-IN PRESSURE:	60	MIN	60	MIN
SECOND FLOW PRESSURE:	45	MIN	45	MIN
FINAL CLOSED-IN PRESSURE:	90	MIN	90	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	92	0	64	0	91	0	64
2	5	73	3	606	5	69	3	534
3	10	67	6	856	10	65	6	861
4	15	64	9	1085	15	64	9	1060
5	20	64	12	1215	20	63	12	1147
6	25	64	15	1294	25	64	15	1211
7			18	1348	30	64	18	1254
8			21	1390	35	64	21	1280
9			24	1415	40	64	24	1304
10			27	1431	45	64	27	1322
11			30	1448			30	1335
12			33	1460			33	1353
13			36	1469			36	1363
14			39	1477			39	1374
15			42	1488			42	1382
16			45	1494			45	1390
17			48	1498			48	1397
18			51	1502			51	1405
19			54	1505			54	1409
20			57	1508			57	1416
21			60	1511			60	1419
22							63	1424
23							66	1428
24							69	1431
25							72	1434
26							75	1435
27							78	1439
28							81	1443
29							84	1445
30							87	1446

PRESSURE BREAKDOWN - CONT. TICKET #16577

PT	FIRST FLOW MIN	FIRST FLOW PRESSURE	INITIAL SHUT-IN MIN	INITIAL SHUT-IN PRESSURE	SECOND FLOW MIN	SECOND FLOW PRESSURE	FINAL SHUT-IN MIN	FINAL SHUT-IN PRESSURE
31							90	1450
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
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WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8/31/83 TICKET #16577
CUSTOMER: T. X. O. PRODUCTION CORP. LEASE: "P" PRICE
WELL: 1 TEST: 1 GEOLOGIST: L. GADBERRY
ELEVATION (KB): 1738 FORMATION: MISSISSIPPI
SECTION: 18 TOWNSHIP: 30S
RANGE: 9W COUNTY: KINGMAN STATE: KANSAS
GAUGE SN #2606 RANGE: 4000 CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
			PRE FLOW	
			SECOND FLOW	
10	MERLA	1/2	14"WTR	23700 CFPD
20		1/2	22"WTR	29400 CFPD
30		1/2	22"WTR	29400 CFPD
40		1/2	22"WTR	29400 CFPD
45		1/2	22"WTR	29400 CFPD

GAS BOTTLE SN #: 2EK77
DATE BOTTLE FILLED: 8/31/83
DATE TO BE INVOICED: 8/31/83