Company TXO Production Corp. Lease & Well No. #2 "PP" Smith

Elevation ---- Formation Lansing-Kansas City "H" Effective Pay ---- Ft. Ticket No. 18203

Date 2/ 5 /83 Sec. 5 Twp. 27S Range 15W County Pratt State Kansas

Test Approved by Charlie Hammond Western Representative Mike Rogers

Formation Test No. 1 Interval Tested from 4162 ft. to 4190 ft. Total Depth 4190 ft.

Packer Depth 4157 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4162 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4165 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4169 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor FWA Drlg. Rig #32 Drill Collar Length 220 I. D. 2.2 in.

Mud Type Chemical Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.0+ Water Loss 13.6 cc. Drill Pipe Length 3912 I. D. 3.2 in.

Chlorides 7,000 P.P.M. Test Tool Length 30 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 3660 Anchor Length 28 ft. Size 5½ 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" in.

Blow: Weak one fourth inch blow building to one inch blow then depleating to very weak. Final flow weak and died in twenty minutes .

Recovered 80 ft. of muddy water 70% water ;30% drilling mud with 52,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:15 ~~A.M.~~ P.M. Time Started Off Bottom 11:15 ~~A.M.~~ P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure ..... (A) 2047 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 41 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period ..... Minutes 63 (D) 1389 P.S.I.

Final Flow Period ..... Minutes 30 (E) 70 P.S.I. to (F) 70 P.S.I.

Final Closed In Period ..... Minutes 63 (G) 1359 P.S.I.

Final Hydrostatic Pressure ..... (H) 1993 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/5/83 Test Ticket No. 18203

Recorder No. 1566 Capacity 4300 Location 4165 Ft.

Clock No. -- Elevation --- Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2047 P.S.I.	Open Tool	8:15P M	
B First Initial Flow Pressure	41 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	41 P.S.I.	Initial Closed-in Pressure	60 Mins.	63 Mins.
D Initial Closed-in Pressure	1389 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	70 P.S.I.			
G Final Closed-in Pressure	1359 P.S.I.			
H Final Hydrostatic Mud	1993 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	41
P 2 5	41
P 3 10	41
P 4 15	41
P 5 20	41
P 6 25	41
P 7 30	41
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	41
3	242
6	718
9	989
12	1094
15	1158
18	1203
21	1236
24	1264
27	1285
30	1300
33	1315
36	1328
39	1339
42	1350
45	1356
48	1365
51	1370
54	1375
57	1381
60	1386
63	1389

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

Point Minutes	Press.
0	70
5	70
10	70
15	70
20	70
25	70
30	70

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

Point Minutes	Press.
0	70
3	300
6	811
9	1011
12	1103
15	1156
18	1195
21	1222
24	1245
27	1263
30	1279
33	1291
36	1302
39	1313
42	1322
45	1328
48	1334
51	1340
54	1346
57	1352
60	1356
63	1359

1566

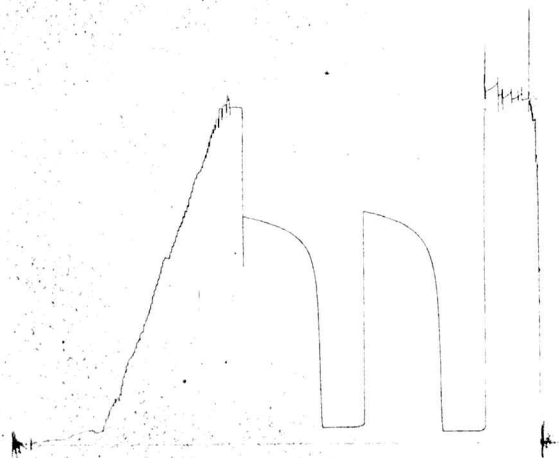
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TKT # 18203



Company TXO Production Corp. Lease & Well No. #2 "PP" Smith

Elevation ---- Formation Kansas City Effective Pay ---- Ft. Ticket No. 18204

Date 2/ 6 /83 Sec. 5 Twp. 27S Range 15W County Pratt State Kansas

Test Approved by Charlie Hammond Western Representative Mike Rogers

Formation Test No. 2 Interval Tested from 4198 ft. to 4208 ft. Total Depth 4223 ft.

Packer Depth 4193 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4198 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4179 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4201 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth 4219 ft. Recorder Number - Cap. -

Drilling Contractor FWA Drlg. Rig #32 Drill Collar Length 220 I. D. 2.2 in.

Mud Type chemical Viscosity 50 ~~Weight~~ Tail Pipe Length 15 I. D. - in.

Weight 9.1 Water Loss 22.0 cc. Drill Pipe Length 3944 I. D. 3.2 in.

Chlorides 12,000 P.P.M. Test Tool Length 34 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 3660 Anchor Length 10 ft. Size 5½ 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" in.

Blow: Very weak and dead in twenty-five minutes on initial flow period. Dead on final flow period; flushed tool - no help.

Recovered 5 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:00 A.M. P.M. Time Started Off Bottom 11:45 A.M. P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure (A) 2156 P.S.I.

Initial Flow Period Minutes 30 (B) 27 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period Minutes 60 (D) 29 P.S.I.

Final Flow Period Minutes 15 (E) 28 P.S.I. to (F) 28 P.S.I.

Final Closed In Period Minutes 63 (G) 41 P.S.I.

Final Hydrostatic Pressure (H) 1993 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 2/6/83 Test Ticket No. 18204

Recorder No. 1566 Capacity 4300 Location 4179 Ft.

Clock No. -- Elevation -- Well Temperature 115 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2156	P.S.I.	Open Tool	9:00P M	
B	First Initial Flow Pressure	27	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	27	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	29	P.S.I.	Second Flow Pressure	15 Mins.	15 Mins.
E	Second Initial Flow Pressure	28	P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F	Second Final Flow Pressure	28	P.S.I.			
G	Final Closed-in Pressure	41	P.S.I.			
H	Final Hydrostatic Mud	1993	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: 3 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 0	27	0	27	0	28	0	28
P 2 5	27	3	27	5	28	3	28
P 3 10	27	6	27	10	28	6	28
P 4 15	27	9	27	15	28	9	28
P 5 20	27	12	27			12	28
P 6 25	27	15	27			15	29
P 7 30	27	18	27			18	29
P 8		21	27			21	29
P 9		24	27			24	29
P10		27	27			27	29
P11		30	27			30	30
P12		33	28			33	31
P13		36	28			36	32
P14		39	28			39	33
P15		42	28			42	34
P16		45	28			45	35
P17		48	29			48	36
P18		51	29			51	37
P19		54	29			54	38
P20		57	29			57	39
		60	29			60	40
						63	41

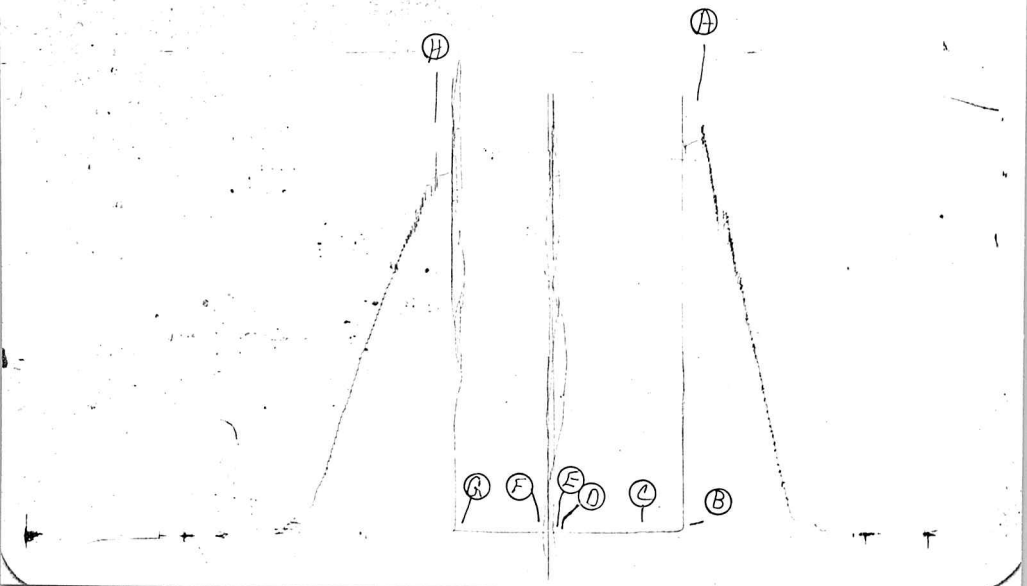
Flushed tool

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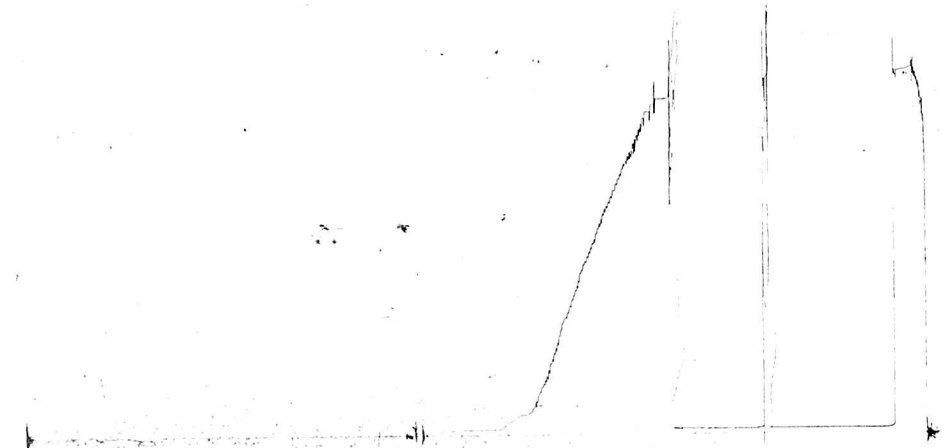
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6



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Below Straddle



Company TXO Production Corp. Lease & Well No. #2 "PP" Smith

Elevation ---- Formation Mississippi Effective Pay --- Ft. Ticket No. 18205

Date 2/8/83 Sec. 5 Twp. 27S Range 15W County Pratt State Kansas

Test Approved by Charlie Hammond Western Representative Mike Rogers

Formation Test No. 3 Interval Tested from 4438 ft. to 4454 ft. Total Depth 4454 ft.

Packer Depth 4433 ft. Size 6 5/8 in. Packer Depth -- ft. Size - in.

Packer Depth 4438 ft. Size 6 5/8 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4441 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4445 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor FWA Drilling Rig #32 Drill Collar Length 220 I. D. 2.2 in.

Mud Type chemical Viscosity 46 Weight Pipe Length -- I. D. - in.

Weight 9.1 Water Loss 12.2 cc. Drill Pipe Length 4188 I. D. 3.2 in.

Chlorides 9,000 P.P.M. Test Tool Length 30 ft. Tool Size 5½ in.

Jars: Make WTC Serial Number 3660 Anchor Length 16 ft. Size 5½ 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" in.

Blow: Strong . Gas to surface in four minutes into final flow period. See attached sheet for gas measurements.

Recovered 50 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 ~~A.M.~~ P.M. Time Started Off Bottom 4:00 ~~A.M.~~ P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure (A) 2240 P.S.I.

Initial Flow Period Minutes 30 (B) 45 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period Minutes 63 (D) 1403 P.S.I.

Final Flow Period Minutes 60 (E) 44 P.S.I. to (F) 44 P.S.I.

Final Closed In Period Minutes 93 (G) 1437 P.S.I.

Final Hydrostatic Pressure (H) 2165 P.S.I.

GAS FLOW REPORT

Date 2/8/83 Ticket 18205 Company TXO Production Corp.

Well Name and No. #2 "PP" Smith Dst No. 3 Interval Tested 4438'-4454'

County Pratt State Kansas Sec. 5 Twp. 27S Rg. 15W

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						
						Gas to surface four minutes into
						Final Flow.
SECOND FLOW						
5 min.	18" of	water	1/2"	orifice		26,600 CFPD
10 min.	12" of	water	1/2"	orifice		21,900 CFPD
20 min.	7" of	water	1/2"	orifice		16,700 CFPD
30 min.	8" of	water	1/2"	orifice		17,200 CFPD
40 min.	9" of	water	1/2"	orifice		18,800 CFPD
50 min.	9" of	water	1/2"	orifice		18,800 CFPD
60 min.	9" of	water	1/2"	orifice		18,800 CFPD

GAS BOTTLE

Serial No. 43 Date Bottle Filled 2/8/83 Date to be Invoiced 2/8/83

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 TXO Production Corp.

Authorized by Charlie Hammond

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 2/8/83 Test Ticket No. 18205

Recorder No. 1566 Capacity 4300 Location 4441 Ft.

Clock No. --- Elevation --- Well Temperature 121 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2240 P.S.I.		Open Tool	12:00P M	
B	First Initial Flow Pressure	45 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	45 P.S.I.		Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1403 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	44 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	44 P.S.I.				
G	Final Closed-in Pressure	1437 P.S.I.				
H	Final Hydrostatic Mud	2165 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	45
P 2 5	45
P 3 10	45
P 4 15	45
P 5 20	45
P 6 25	45
P 7 30	45
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	45
3	158
6	370
9	545
12	678
15	794
18	897
21	985
24	1056
27	1116
30	1165
33	1210
36	1245
39	1276
42	1301
45	1323
48	1341
51	1358
54	1373
57	1384
60	1395
63	1403

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

Point Minutes	Press.
0	44
5	44
10	44
15	44
20	44
25	44
30	44
35	44
40	44
45	44
50	44
55	44
60	44

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

Point Minutes	Press.
0	44
3	214
6	444
9	641
12	794
15	923
18	1021
21	1098
24	1155
27	1200
30	1236
33	1266
36	1291
39	1311
42	1328
45	1343
48	1356
51	1368
54	1377
57	1385
60	1393

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 2/8/83 Test Ticket No. 18205

Recorder No. 1566 Capacity 4300 Location 4441 Ft.

Clock No. --- Elevation --- Well Temperature 121 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2240 P.S.I.		Open Tool	12:00P M	
B	First Initial Flow Pressure	45 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	45 P.S.I.		Initial Closed-in Pressure	60 Mins.	63 Mins.
D	Initial Closed-in Pressure	1403 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	44 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	44 P.S.I.				
G	Final Closed-in Pressure	1437 P.S.I.				
H	Final Hydrostatic Mud	2165 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	
P 2	
P 3	
P 4	
P 5	
P 6	
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.

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

Point Minutes	Press.

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

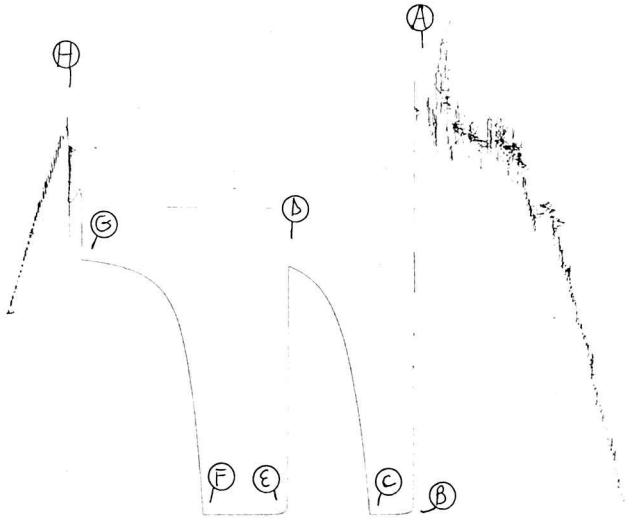
Point Minutes	Press.
63	1399
66	1404
69	1409
72	1414
75	1419
78	1423
81	1427
84	1430
87	1433
90	1436
93	1437

WTC - 4

1566

TKT # 18205

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3086

TKT # 18205

