Before the
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 10796 Exhibit No. 13
Submitted By: MARATHON OIL COMPANY
Hearing Date: OCTOBER 14, 1993

NEW MEXICO OIL CONSERVATION COMMSSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special							Test Date				
Company: TXO PRODUCTION CO.				Connection: TO AIR							
Pool: OSUDO WEST				Formation: WOLFCAMP						Unit	
Completion Date: 6-24-85		Total Depth: 12,884		Plug Back TD: 11950			Elevation			Farm or Lease Name: Jordan "B"	
Csg. Size: 5½"	Wt.: 17#	d: 4.892	Set At: 12884	Perforations: From 11440 To 11445						Well No.: 2	
Tbg. Size: 2 7/8"	Wt.: 6.4#	d: 2.441	Set At: 11289	Perforations: From OPEN ENDED						Unit: G	Sec.: 11	Twp.: 20S	Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE				Packer Set At: 11289						County: LEA			
Producing Thru: Tubing		Reservoir Temp. °F: 187° @ 11442'		Mean Annual Temp. °F: 60°			Baro. Press. – P_a: 13.2			State: N.M.			
L: 11442	H: 11442	Gg: .7582	% CO_2: 1.507	% N_2: .797	% H_2S:	Prover:	Meter Run: 4.026	Taps: Flange			

NO.	FLOW DATA: Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI									PKR	CHOKE	72 Hrs.
1.	4.026	x	2.000	41	4	70°	2380	75°		6½/64	1 Hr.
2.	4.026	x	2.000	41	6¼	70°	2310	75		8/64	1 Hr.
3.	4.026	x	2.000	40	25	70	2090	75		16/64	1 Hr.
4.	4.026	x	2.000	42	41	70	1950	75		11 3/4	1 Hr.
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	19.81	14.72	54.2	.9905	1.149	NIL	331.8
2.	19.81	18.41	54.2	.9905	1.149	NIL	415.1
3.	19.81	36.47	54.2	.9905	1.149	NIL	822.2
4.	19.81	47.57	54.2	.9905	1.149	NIL	1072.5
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.08	530	1.31	NIL
2.	.08	530	1.31	NIL
3.	.08	530	1.31	NIL
4.	.08	530	1.31	NIL
5.				

Gas Liquid Hydrocarbon Ratio 6.875 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 53.7 @ 60° Deg.
Specific Gravity Separator Gas .7582 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 674 P.S.I.A. ____ P.S.I.A.
Critical Temperature 405 R ____ R

P_c 4698 P_c^2 22071.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4483	20097.3	1973.9
2		4350	18922.5	3148.7
3		3997	15976	6095.2
4		3357	12652.3	9418.9
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 22071.2$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9418.9$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2513.8$

Absolute Open Flow 2514 Mcfd @ 15.025 Angle of Slope θ 45° Slope, n 1.000

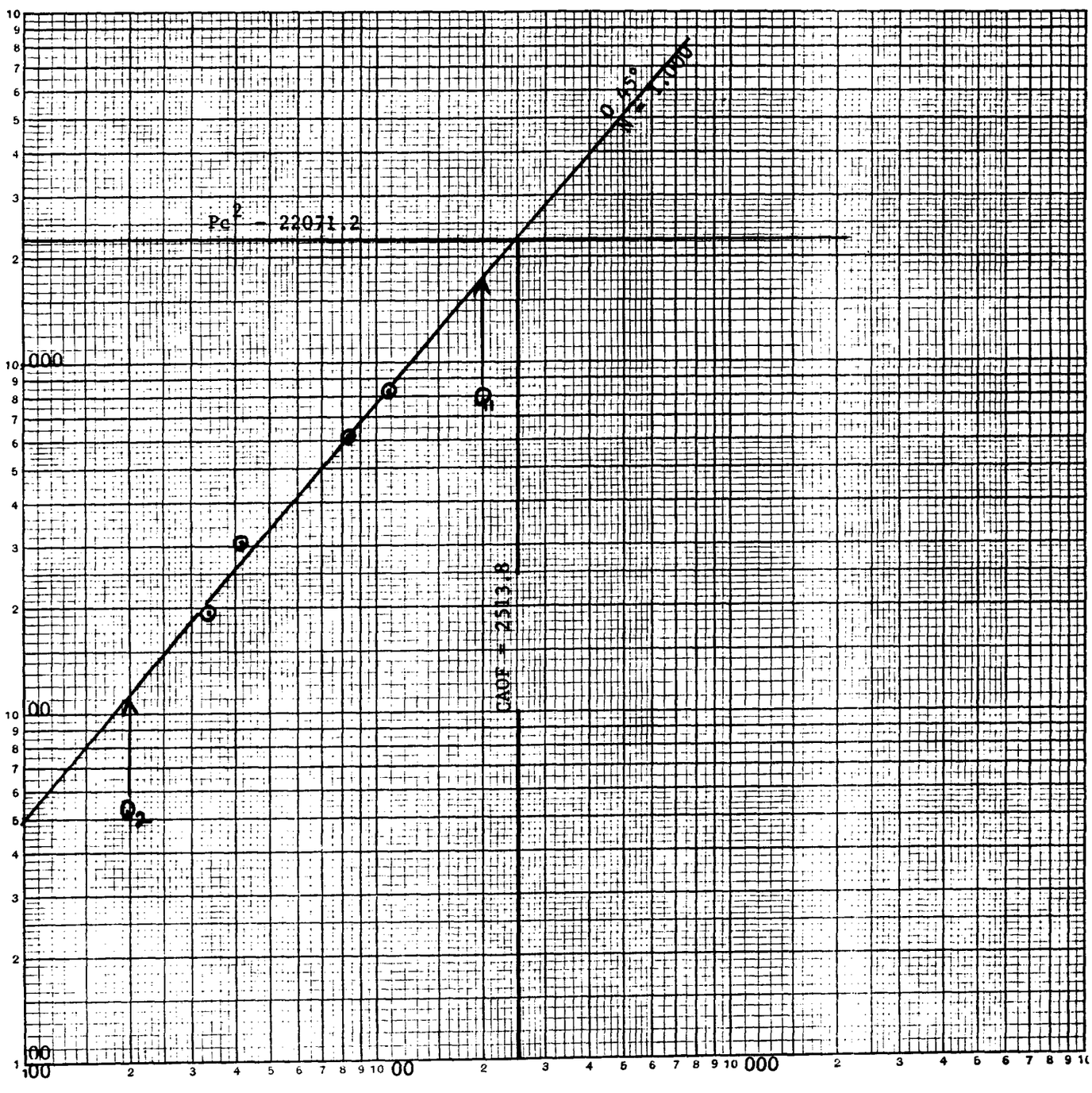
Remarks: calculated from known Bottom Hole Pressures taken with a Kuster Gauge
Well made 16 Bbls. of condensate during test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R.W.	J.D.	J.D.

TXO PRODUCTION CO. JORDAN "B" NO. 2 JULY 8, 1985

Q1 = 2000 = Log - 3.3010300
Q2 = 200 = Log - 2.3010300
1.000000

CAOF = 1072.5 $\left(\frac{22071.2}{9418.9}\right)^{1.000}$ = 2513.8



Pc2-Pw2 in thousands

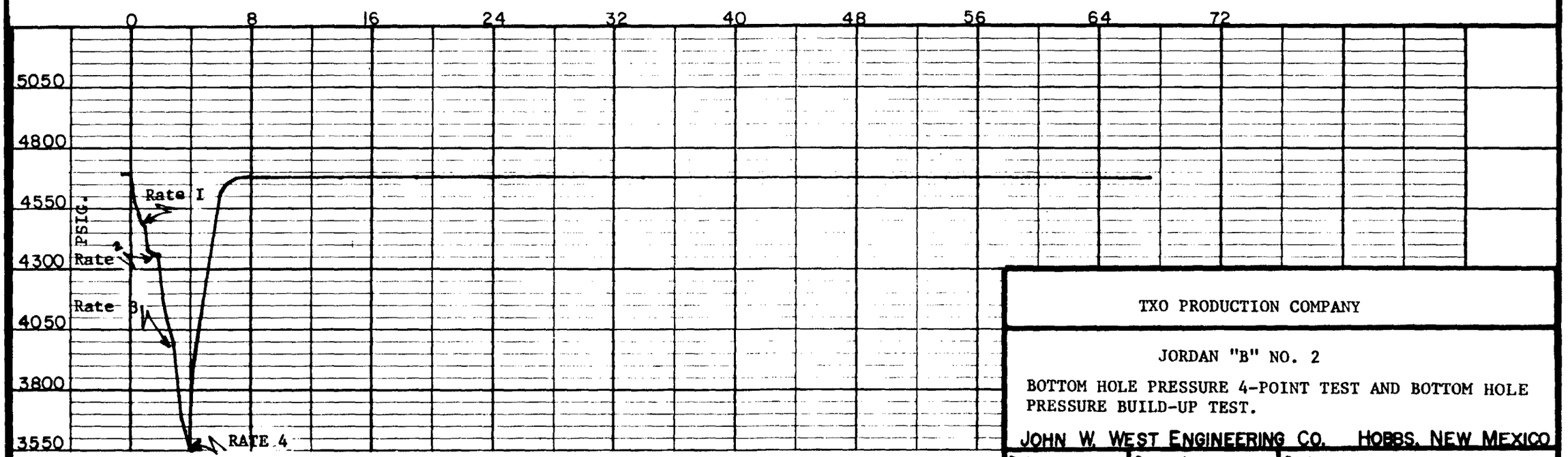
LOGARITHMIC 3 X 3 CYCLES KEUFFEL & ESSER CO. 46 7400 MADE IN U.S.A.

TEST DATE: JULY 8 to 11, 1985
TEST DEPTH: 11442 FEET

ELEMENT NO: 34911
RANGE: 0-6000 PSI
CLOCK NO: 20439
RANGE: 0-72 Hours

NOTE: See tabulation of times and pressures on attached sheet.

TIME IN HOURS



TXO PRODUCTION COMPANY

JORDAN "B" NO. 2

BOTTOM HOLE PRESSURE 4-POINT TEST AND BOTTOM HOLE PRESSURE BUILD-UP TEST.

JOHN W. WEST ENGINEERING CO. HOBBS, NEW MEXICO

Date: 7-12-85 | Drawn by: bsm | Scale: as shown

TXO PRODUCTION COMPANY
JORDAN "B" NO. 2
BOTTOM HOLE PRESSURE 4-POINT TEST AND
BOTTOM HOLE PRESSURE BUILD-UP TEST.
TABULATION OF TIMES AND PRESSURES.

TEST CONDUCTED BY:
JOHN WEST ENGINEERING CO.

TEST DATE: JULY 8-11, 1985
TEST DEPTH: 11,442 FEET
ELEMENT NO: 34911 (0-6000 psi)

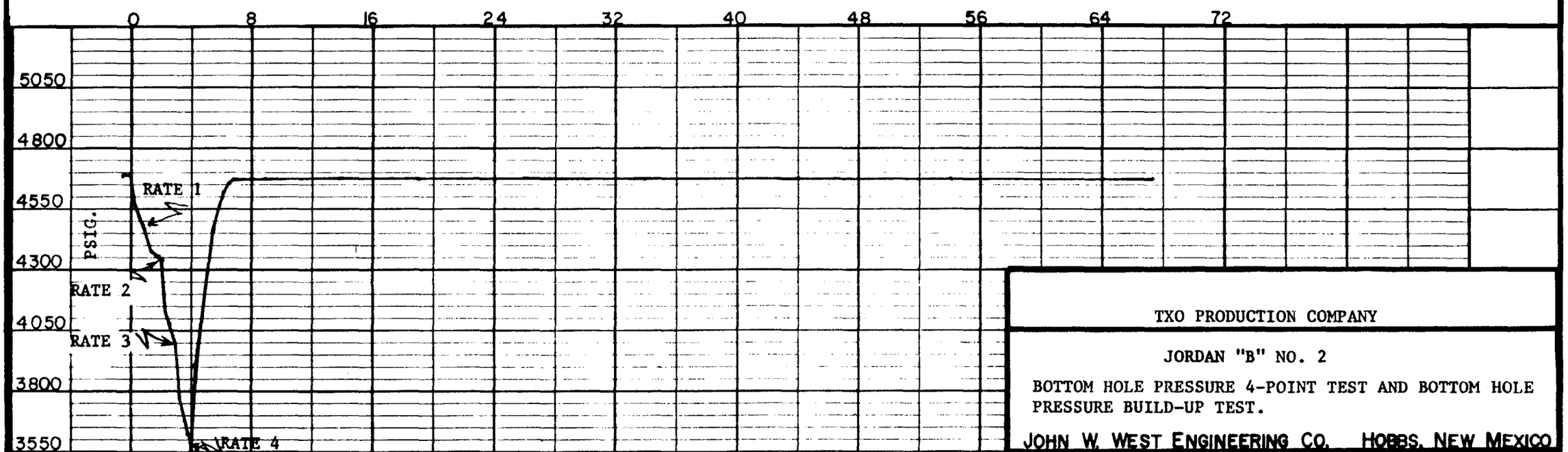
DATE	TIME	CUM HRS./MIN.	PSIG @ 11,442 FEET
7-8-85	2:00 P.M.		4698 gauge reached 11,442'
	2:30 P.M.	00 Hrs. 00 Min.	4698 Begin 4-Point Test.
	2:45 P.M.	00 15	4571
	3:00 P.M.	00 30	4526
	3:15 P.M.	00 45	4495
	3:30 P.M.	01 00	4483 End Rate I
	3:45 P.M.	01 15	4381
	4:00 P.M.	01 30	4369
	4:15 P.M.	01 45	4359
	4:30 P.M.	02 00	4350 End Rate II
	4:45 P.M.	02 15	4133
	5:00 P.M.	02 30	4079
	5:15 P.M.	02 45	4045
	5:30 P.M.	03 00	3997 End Rate III
	5:45 P.M.	03 15	3786
	6:00 P.M.	03 30	3681
	6:15 P.M.	03 45	3633
	6:30 P.M.	04 00	3557 End Rate IV
7-8-85	6:30 P.M.	00 Hrs. 00 Min.	3557 Shut-In, Begin Build-Up
	6:45 P.M.	00 15	3913
	7:00 P.M.	00 30	3982
	7:15 P.M.	00 45	4021
	7:30 P.M.	01 00	4287
	8:00 P.M.	01 30	4462
	8:30 P.M.	02 00	4631
	9:00 P.M.	02 30	4659
	9:30 P.M.	03 00	4671
	10:30 P.M.	04 00	4677
7-8-85	11:30 P.M.	05 00	4677
7-9-85	4:30 A.M.	10 00	4680
	9:30 A.M.	15 00	4683
7-9-85	2:30 P.M.	20 00	4683
7-10-85	12:30 A.M.	30 00	4683
	10:30 A.M.	40 00	4683
7-10-85	8:30 P.M.	50 00	4683
7-11-85	6:30 A.M.	60 00	4683
7-11-85	10:00 A.M.	63 30	4683 Gauge off bottom, end of tes

TEST DATE: JULY 8 to 11, 1985
TEST DEPTH: 11,442 FEET

ELEMENT NO: 53217
RANGE: 0-7100 PSI
CLOCK NO: E-794
RANGE: 0-72 Hours

NOTE: See tabulation of times and pressures on attached sheet.

TIME IN HOURS



TXO PRODUCTION COMPANY

JORDAN "B" NO. 2

BOTTOM HOLE PRESSURE 4-POINT TEST AND BOTTOM HOLE PRESSURE BUILD-UP TEST.

JOHN W. WEST ENGINEERING CO. HOBBS, NEW MEXICO

Date: 7-12-85 | Drawn by: bsm | Scale: as shown

TXO PRODUCTION COMAPNY
JORDAN "B" NO. 2
BOTTOM HOLE PRESSURE 4-POINT TEST AND
BOTTOM HOLE PRESSURE BUILD-UP TEST.
TABULATION OF TIMES AND PRESSURES.

TEST CONDUCTED BY:
JOHN WEST ENGINEERING COMPANY

TEST DATE: JULY 8 to 11, 1985
TEST DEPTH: 11,442 FEET
ELEMENT NO: 53217 (0-7100 PSI)
OPERATOR: R.W.

DATE	TIME	CUM HRS./MIN.	PSIG @ 11,442 FEET
7-8-85	2:00 P.M.		4691 gauge reached 11,442 Feet
	2:30 P.M.	00 Hrs. 00 Min.	4691 Shut-In, Begin Build-Up
	2:45 P.M.	00 15	4566
	3:00 P.M.	00 30	4520
	3:15 P.M.	00 45	4491
	3:30 P.M.	01 00	4477 End Rate I
	3:45 P.M.	01 15	4376
	4:00 P.M.	01 30	4365
	4:15 P.M.	01 45	4354
	4:30 P.M.	02 00	4344 End Rate II
	4:45 P.M.	02 15	4129
	5:00 P.M.	02 30	4075
	5:15 P.M.	02 45	4039
	5:30 P.M.	03 00	3991 End Rate III
	5:45 P.M.	03 15	3780
	6:00 P.M.	03 30	3676
	6:15 P.M.	03 45	3626
	6:30 P.M.	04 00	3551 End Rate IV
	6:30 P.M.	00 Hrs. 00 Min.	3551 Shut-In, Begin Build-Up
	6:45 P.M.	00 15	3909
	7:00 P.M.	00 30	3976
	7:15 P.M.	00 45	4014
	7:30 P.M.	01 00	4283
	8:00 P.M.	01 30	4455
	8:30 P.M.	02 00	4627
	9:00 P.M.	02 30	4656
	9:30 P.M.	03 00	4666
	10:30 P.M.	04 00	4666
7-8-85	11:30 P.M.	05 00	4666
7-9-85	4:30 A.M.	10 00	4674
	9:30 A.M.	15 00	4677
7-9-85	2:30 P.M.	20 00	4677
7-10-85	12:30 A.M.	30 00	4677
	10:30 A.M.	40 00	4677
7-10-85	8:30 P.M.	50 00	4677
7-11-85	6:30 A.M.	60 00	4677
7-11-85	10:00 A.M.	63 30	4677 Gauge off bottom, end of test

NEW-TEX LAB

PHONE 505/393-3561 • P. O. BOX 1161 • 611 W. SNYDER • HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT:	JOHN WEST ENGINEERING	ANALYSIS NUMBER:	7527
ADDRESS:	412 N DAL PASO	DATE OF RUN:	7 9 85
CITY, STATE:	HOBBS NM 88240	DATE SECURED:	7 8 85

SAMPLE IDENT: TXO PRODUCING COMPANY - JORDAN B-42
SAMPLING PRESS: SAMPLING TEMP:70 DEG F

REMARKS: TRAP PRESSURE 42 #

********* GAS ANALYSIS *********

	MOLE PERCENT	GAL/ MCF
NITROGEN	0.797	
CARBON DIOXIDE	1.507	
METHANE	74.728	
ETHANE	12.805	3.415
PROPANE	6.312	1.733
ISO-BUTANE	0.912	0.298
NORMAL BUTANE	1.839	0.578
ISO-PENTANE	0.384	0.141
NORMAL PENTANE	0.388	0.140
HEXANES	0.328	0.135
TOTAL	100.000	6.440

PROPANE GPM:	1.73	BUTANES GPM:	0.88
ETHANE GPM:	3.41	PENTANES PLUS GPM:	0.42

SPECIFIC GRAV (CALC): 0.7582
MOLE WEIGHT: 21.96

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
	14.696	1254	1277
	14.650	1251	1273
	14.730	1257	1280
	14.735	1258	1280

DEANE SIMPSON