

ORIGINAL

RELEASED
CONFIDENTIAL
MAY 28 1994

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5171
Name: TXO Production Corp.
Address 1660 Lincoln Street
Suite 1800
City/State/Zip Denver, CO 80264
Purchaser: TBD
Operator Contact Person: Cory West
Phone (303) 861-4246
Contractor: Name: Lobo Drilling Co.
License: 5864
Wellsite Geologist: Tom Williams

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
4-10-90 4-20-90 5-10-90
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,306-000 FROM CONFIDENTIAL

County Barber
SW NE SE Sec. 28 Twp. 34 S Rge. 14 East West
1650 Ft. North from Southeast Corner of Section

990 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

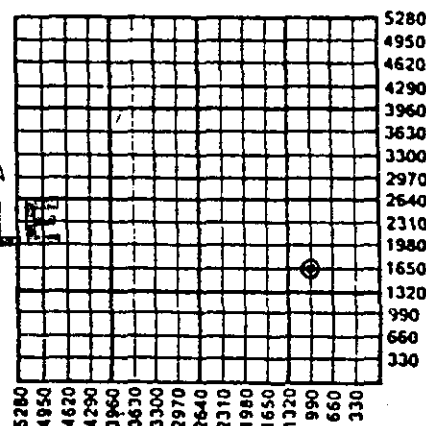
Lease Name Chastel Well # 1

Field Name Aetna

Producing Formation Elgin Sand

Elevation: Ground 1628' KB 1639'

Total Depth 5200' PBTD 3900'



ALT I
5-29-90
9-06-90

Amount of Surface Pipe Set and Cemented at 1061 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Warren Cory West
Title Area Drlg & Prod Engineer Date 5-21-90
Subscribed and sworn to before me this 23 day of May
19 90.
Notary Public Janice A. Parker
Date Commission Expires 11-03-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PT

ORIGINAL

SIDE TWO

Operator Name TXO Production Corp. Lease Name Chastel Well # 1

Sec. 28 Twp. 34 Rge. 14 [] East [X] West County Barber

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drilling intervals tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log. MAY 28 1991

Drill Stem Tests Taken [X] Yes [] No (Attach Additional Sheets.) - Refer to attachments
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No (Submit Copy.)

Formation Description FROM CONFIDENTIAL
[X] Log [] Sample
Name Top Bottom
Kanwaka Sh 3764 -2125
Elgin SS 3776 -2137
Heebner 4002 -2363
LKC 4185 -2546
Swope 4617 -2978
Mississippi 4812 -3173

CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Rows for Surface and Production.

PERFORATION RECORD
Shots Per Foot Specify Footage of Each Interval Perforated
Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
3776', 3776.5', 3777', 3777.5', 3778'
Natural completion

TUBING RECORD
Size 2-3/8" Set At 3799' Packer At
Liner Run [] Yes [X] No

Date of First Production WOPL Producing Method [X] Flowing [] Pumping [] Gas Lift [] Other (Explain)

Estimated Production Per 24 Hours
Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity
350 FTP=150 psig 20-25 BWPD initially

Disposition of Gas: [] Vented [X] To be Sold [] Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: [] Open Hole [X] Perforation [] Dually Completed [] Commingled [] Other (Specify)
Production Interval



P.O. Box 4442
Houston, Tx. 77210

DISTRICT COPY
ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE **4-21-90** SERVICE CONTRACT NO. **610691**

CUSTOMER ACCOUNT NO.	DIST NAME Men Lode	NEW WELL <input checked="" type="checkbox"/> WELL TYPE	JOB NUMBER 0328
CUSTOMER TXO Prod Corp	DIST NUMBER 210	WELL NO. 1	LEASE NAME & FEDERAL OFFSHORE LEASE NO.
ADDRESS Box 125, K	CITY Men Lode STATE KY ZIP 61104	COUNTY/PARISH Barber CODE 007 STATE Ky CODE 14	FIELD NAME Acton CITY CODE
AUTHORIZED BY: (Please Print) General Manager	ORDER NO.	WELL OWNER TXO Prod Corp	MTA CODE

STAGE NO.	JOB CODE 0106	WORKING DEPTH 3900 FT	PUMPING EQUIPMENT	TIME (A OR P)	DATE
TOTAL PREV. GALS.	SURFACE <input type="checkbox"/> INTERMEDIATE <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> REMEDIAL <input type="checkbox"/>	SIZE HOLE 7 7/8 DEPTH 5200 FT	TRUCK CALLED	012:0101A	MM 04 DD 21 YY 1990
TOTAL MEAS. DEPTH FT.	SIZE & WT. CASING 4 1/2 DEPTH 3900 FT	SIZE & WT. DRILL PIPE OR TUBING	ARRIVED AT JOB	017:0101A	042119
PRESSURE AVG. PSI. MAX. PSI.	PACKER DEPTH	FLUID PUMPED	START OPERATION	011:151K	042119
			FINISH OPERATION	011:451K	042119
			TIME RELEASED		
			MILES FROM STATION TO WELL	SALESMAN NUMBER	

MAX. BPM	REVENUE EQUIPMENT (UNIT NUMBERS)				EMPLOYEES ON JOB (EMPLOYEE NUMBER)			
	1472				66	6454		
	251	6483			58	7697		
S/S EMPLOYEE NUMBER								RELEASED
								MAY 28 1991

TIGHT HOLE FROM CONFIDENTIAL

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK **017** SIGNED: *[Signature]* (WELL OWNER, OPERATOR, CONTRACT OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1101101017210	3000	3001 T	879.00	E	879 00
1101101017215E	9	9 Below 3000 Ft	99.00	E	88 20
11011019101015	80	Pump truck Miling R/T	1.10	E	88 00
110411015019A	100	Class A	5.30	30	530 00
11041280210C	6	Exp Seal	14.60	E	87 60
110411570149L	80	A 7 P	32.00	E	25 60
110412101145C	1	BJ Gal	6.75	E	6 75
1104115101810	3	K 1-5 seal	33.00	E	99 00
110412180149	3	A 9	22.00	E	66 00
11041216011E	1	Cement Grout shoe 4 1/2	104.00	E	104 00

SERVICE REPRESENTATIVE *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

CHECK-IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice. This Service Operations Contract is subject to review and correction by our Accounting Department.



SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 610676

DATE OF JOB: 04/21/90
 DISTRICT: Medicine Lodge
 DIST. NO.: 3350
 AUTHORIZED BY: _____
 CUSTOMER: T.R. Prod. Corp.

ORIGINAL

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1104081600	1	Knock Flat Check Valve 4"	16.100	FOE	161 00
110191019161002	1	H.S.H. Controlizer 4 1/2"	41.75	FOE	167 00
11041019161000	3	Metal Pital Basket 4 3/8"	120.00	FOE	360 00
110143101510180	1	Top Rubber Plug 4 3/8"	42.50	FOE	42 50
110191610111011	16	Handling Baskets	.90	FOE	151 20
1101818101010115	100	Handling & Dumping	.95	FOE	95 00
		Book Price			2951 45
					531 26
		TOTAL			2420 19

RECEIVED
 STATE COOPERATION
 MAY 20 1990
 CONSERVATION DIVISION
 WICHITA, KANSAS

SERVICE REPRESENTATIVE: *[Signature]*
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*

CHECK IF CONTINUATION IS USED. (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)
 CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAMP NO. ORIGINAL

Date 4-21-90 District 03550 Ticket No. 610691
 Company T&O Prod. Corp Rig La B
 Lease Chastnut Well No. 1
 County Barber State Ks
 Location 6 W-2 1/2 N-5 NW-2 S Field Haulton

CASING DATA: PTA Squeezes
 Surface Intermediate Production Liner
 Size 4 1/2 Type J 5.5 Weight 16.5 Collar 5 Rev.

Casing Depths: Top 3271 Bottom 3900

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5200 ft P.B. to _____ ft

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft 0.0159 Lin. ft/Bbl. 62.70
 Open Holes: Bbls/Lin. ft 0.0682 Lin. ft/Bbl. 14.5993
 Drill Pipe: Bbls/Lin. ft _____ Lin. ft/Bbl. _____
 Annulus: Bbls/Lin. ft 0.0406 Lin. ft/Bbl. 24.6474
 Bbls/Lin. ft _____ Lin. ft/Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Jimmie Smith

CEMENT DATA:
 Spacer Type: 10 Bbl 2 1/2 K.B.I.
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time 100 hrs. Type Class A 6MB SK
6 1/2 A-10 1 1/2 A7P 1 1/2 B7 C-1 Excess _____

Amt. 100 Skys Yield 1.44 ft³/sk Density 14.8 PPG
 WATER: Lead 6.8 gals/sk Tail _____ gals/sk Total 15 Bbls

Pump Trucks Used: 1492 Haver
 Bulk Equip. 6506403 Bob

Float Equip: Manufacturer _____
 Shoe: Type Cement Depth _____
 Float: Type FL-1 Low Fellop Tarent Depth _____
 Centralizers: Quantity 3 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. 3 Metal Patel Baskets
 Disp. Fluid Type Water Amt. _____ Bbls. Weight 5.34 PPG
 Mud Type _____ Weight 9.3 PPG

CEMENTER Walt E. Wolf

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min
1:15 P.		4 1/2		40		6	KBI Flush
1:21 P.		4 1/2		25.5		6	100 Sk Surf Pill With 3bb Push
1:26		5		5		3	Wash Lines & Release Plug
1:31				40.5		6	Tail Cement Starts Turning Slow
1:40				25.5		3	Whit. Cement Turning Slow
							Clap 4010 Burst 4790

STAFF
 APR 20 1990
 WICHITA KANSAS

FINAL DISP. PRESS: 600 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 44 BBLs. THANK YOU

Form No. SR 0602 (Rev. 7/85)
 Note: Must accompany job ticket.



P.O. Box 4442
Houston, Tx. 77210

ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 9-11-90 SERVICE CONTRACT NO. 610706

CUSTOMER ACCOUNT NO. TXO Production Corp
ADDRESS P.O. Box 125 B
CITY Medicine Lodge STATE KS ZIP 67104
AUTHORIZED BY: (Please Print) C. J. VEATCH ORDER NO.

STAGE NO. JOB CODE 0100 WORKING DEPTH 1063 FT
TOTAL PREV. GALS. SURFACE [X] INTERMEDIATE [] PRODUCTION [] REMEDIAL []
TOTAL MEAS. DEPTH FT. SIZE HOLE 12 1/4 DEPTH 1063 FT
SIZE & WT. CASING 8 5/8 24 DEPTH 1061 FT
PACKER DEPTH FLUID PUMPED

REVENUE EQUIPMENT (UNIT NUMBERS) EMPLOYEES ON JOB (EMPLOYEE NUMBER)

MAX. BPM 7	BJ 1492	506282	269832	RELEASED
S/S EMPLOYEE NUMBER 647028				MAY 28 1991

BLEND S TIGHT HOLE CEMENT [X] FRAC [] ACID [] SAND CONTROL []

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.
1109115005	9110594	Q	109						
	91150118	Q	74						
	1201195	C	1000						

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 017 SIGNED: [Signature] (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
11011003105	1	Pump Charge	375.00	E	375.00
11011003110	761	Depth Charge	.42	E	319.62
110710910105	80	Pump Mileage	1.10	E	88.00
11041105109	75	CLASS A	5.30	Q	397.50
11041150105	190	BJ LITE WATER	4.74	Q	900.60
11041150149	700	A7P	.32	L	224.00
11041201195	200	BJ GEL	6.75	C	13.50
11091401101	512	DRYAGE 12.8TON X 40MT	.70	E	358.40
1108810001	265	MIXING CHARGE	.95	Q	251.75
110413015316	1	8 5/8 Top Rubber Plug	100.00	E	100.00

SERVICE REPRESENTATIVE: Neal Rupp THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 610706

DATE OF JOB	MM DD YY	DISTRICT	DIST. NO.	AUTHORIZED BY
04	11	KR	3350	CECEL UATCH
CUSTOMER		TAD PRODUCTION CORP.		

ORIGINAL

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10410916100B	1	85/8 BAFFLE PLATE	95.25	E	95.25
10410916100B	2	85/8 BASKETS	190.00	E	380.00
10410916100B	1	85/8 CENTRALIZER	57.75	E	57.75
					3561.37
					641.05
					2920.32

RELEASED

MAY 28 1991

FROM CONFIDENTIAL

STATE COMMISSION
MAY 24 1990
CONSENTING DIVISION
Wichita, Kansas

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
<i>Neal Rupp</i>	<i>[Signature]</i>

CHECK IF CONTINUATION IS USED. (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

RELEASED CEMENTING LOG

MAY 28 1991

STAGE NO.

Date 1-11-90 District 3350 Ticket No. 610706
 Company TRX Prod Corp. Rig 11A70191
 Lease MASTEC Well No. 1
 County PARMER State KANS
 Location FIELD #201-50-1703 Field ASTJA
28-T395-14W

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 29 Collar SHORT
HOUSE PSE - 1870
INTERNAL FIELD PSE - 2950

Casing Depths: Top 16.1 Bottom 1061
1257 RETURNS AT 105'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 120.3 ft. P.B. to: 1061 ft.
557 AT
 CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 06.37 Lin. ft./Bbl. 15.17
 Open Holes: Bbls/Lin. ft. 1158 Lin. ft./Bbl. 6.8559
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.135 Lin. ft./Bbl. 13.6037
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type BI LITE 3%ATP
3%GEI Excess _____

Amt. 100 Sks Yield 1.58 ft³/sk Density 13.7 PPG

TAIL: Pump Time _____ hrs. Type CLASS A
3%ATP - 2%GEI Excess _____

Amt. 75 Sks Yield 1.39 ft³/sk Density 15.2 PPG

WATER: Lead 7.7 gals/sk Tail 6.9 gals/sk Total 30.2 Bbls.

Pump Trucks Used BJ 1492 ... 0
 Bulk Equip. 35029106 - BJ 8760 - M.W

Float Equip: Manufacturer BAKER
 Shoe: Type PLAIN (NOI BOW) Depth 105.1
 Float: Type RAIL PLATE Depth 1020
 Centralizers: Quantity _____ Plugs Top 1 8tm. _____
 Stage Collars _____
 Special Equip. 2-BASKETS - 1 1120' 180' FROM SURFACE
 Disp. Fluid Type FRESH H₂O Amt. 65 Bbls. Weight 2.39 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE JEFFREY DEATCH

CEMENTER WELT RUD

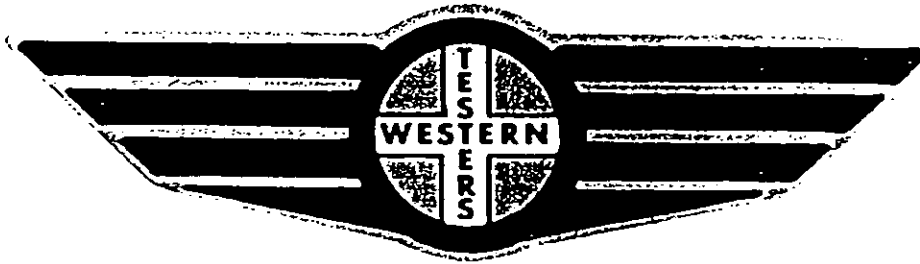
TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
						Job and Safety procedure
						KAN 8 5/8 TO 1061'
						KEY UP ON CASING
						PUMP CASING JAIL WITH HIS PUMP
						RES UP IN PUMP TRUCK
0:15						START LEAD
	500			28.1	7	LEAD IN / START TAIL
				17.4		TAIL IN SHUT DOWN / DETOURER PUMP
	250		46.0		4	RELEASE PLUG / START DISP.
						SHUT STANDING FULL OF FLUID
	300			1.1	4	PSE INC
	300		1.3	3	2	Slow RATE - PSE SAME - FINAL DISC PSE
8:45	600		1.5	2		Plug Down SHUT IN
						KEY UP TO 1 INCH
1:05						START CEMENT VIA 1 INCH
9:15				25.3		CEMENT TO SURFACE AOX 90 SK
						PULL 1 INCH CEMENT IN CASE
9:30						WOC
9:45						CEMENT STAYED IN CASE
						KEY DOWN
						BOTTOM 100 LITE - 75 A
						TOP OFF 90 LITE

FINAL DISP. PRESS: 300 PSI BUMP PLUG TO 600 PSI BLEEDBACK SHUT IN BBLs. THANK YOU

Form No. SR 0502 (Rev. 7/85)
 Note: Must accompany job ticket.

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY TXO PRODUCTION CORPORATION LEASE & WELL NO. CHASTEEL #1 SEC. 28 TWP. 34S RGE. 14W TEST NO. 1 DATE 4/15/90

ORIGINAL

WESTERN TESTING CO. INC. SUBSURFACE PRESSURE SURVEY

DATE : 4-15-90 . TICKET : 16087
CUSTOMER : TXO PRODUCTION CORPORATION LEASE : CHASTEL
WELL : #1 TEST: 1 GEOLOGIST : WILLIAMS
ELEVATION : NA FORMATION : ELGIN SD.
SECTION : 28 TOWNSHIP : 34S
RANGE : 14W COUNTY : BARBER STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3700 TO : 3800 TOTAL DEPTH : 3800
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3765 SIZE : 6.63
PACKER DEPTH : 3770 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LOBO DRILLING RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 38
WEIGHT : 9.0 WATER LOSS (CC) : 13.2
CHLORIDES (PPM) : 4000
JARS-MAKE : WTC SERIAL NUMBER : 421
DID WELL FLOW ? : GAS REVERSED OUT ? :

DRILL COLLAR LENGTH : 180 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 510 FT I.D. inch : 2.70
DRILL PIPE LENGTH : 3050 FT I.D. inch : 3.80
TEST TOOL LENGTH : 30 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 30 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW
BLOW COMMENT #2 : GAS TO SURFACE IN 9 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD GAS TO SURFACE
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 70 FT OF: MUDDY WATER
RECOVERED : 0 FT OF: 40%MUD 60%WATER
RECOVERED : 360 FT OF: WATER
RECOVERED : 0 FT OF: R & W=.02 @ 72 DEG.

Total Barrels Fluid = 2.62
Total Fluid Prod Rate = 50.24 BFPD
Indicated Wtr Rate = 46.97 BWPD

REMARK 1 :
REMARK 2 : CHLORIDES 115000 P.P.M.
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:20 A.M. TIME STARTED OFF BOTTOM : 10:05 A.M.
WELL TEMPERATURE : 108
INITIAL HYDROSTATIC PRESSURE (A) 1813
INITIAL FLOW PERIOD MIN: 30 (B) 60 PSI TO (C) : 203
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1551
FINAL FLOW PERIOD MIN: 45 (E) 196 PSI TO (F) : 260
FINAL CLOSED IN PERIOD MIN: 90 (G) 1537
FINAL HYDROSTATIC PRESSURE (H) 1784

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : TXO PRODUCTION CORPORATION
RIG : BARBER-KANSAS
FIELD : CHASTEL
WELL : #1
DATE : 4-15-90
GAUGE NO : 10270

OPERATIONAL COMMENTS

CHLORIDES 115000 P.P.M.

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION
 WELL : #1
 GAUGE # : 10270
 DATE : 15/ 4/90

FIELD : CHASTEL
 JOB # : 16087
 DEPTH : 3800
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:20: 0	0.000	60.000	108.00	0.000
3	6:24:59	0.083	72.000	108.00	12.000
4	6:30: 0	0.167	109.000	108.00	37.000
5	6:35: 0	0.250	142.000	108.00	33.000
6	6:39:59	0.333	169.000	108.00	27.000
7	6:45: 0	0.417	196.000	108.00	27.000
8	6:50: 0	0.500	203.000	108.00	7.000
INITIAL SHUT-IN PERIOD					
9	6:53: 0	0.550	1260.000	108.00	1057.000
10	6:56: 0	0.600	1454.000	108.00	194.000
11	6:59: 0	0.650	1488.000	108.00	34.000
12	7: 2: 0	0.700	1504.000	108.00	16.000
13	7: 5: 0	0.750	1512.000	108.00	3.000
14	7: 8: 0	0.800	1520.000	108.00	8.000
15	7:11: 0	0.850	1524.000	108.00	4.000
16	7:14: 0	0.900	1527.000	108.00	3.000
17	7:17: 0	0.950	1530.000	108.00	3.000
18	7:20: 0	1.000	1533.000	108.00	3.000
19	7:23: 0	1.050	1536.000	108.00	3.000
20	7:26: 0	1.100	1539.000	108.00	3.000
21	7:29: 0	1.150	1542.000	108.00	3.000
22	7:32: 0	1.200	1544.000	108.00	2.000
23	7:35: 0	1.250	1546.000	108.00	2.000
24	7:38: 0	1.300	1547.000	108.00	1.000
25	7:41: 0	1.350	1548.000	108.00	1.000
26	7:44: 0	1.400	1549.000	108.00	1.000
27	7:47: 0	1.450	1550.000	108.00	1.000
28	7:50: 0	1.500	1551.000	108.00	1.000
FINAL FLOW PERIOD					
29	7:51: 0	1.517	196.000	108.00	-1355.000
30	7:54:59	1.583	231.000	108.00	35.000
31	8: 0: 0	1.667	257.000	108.00	26.000
32	8: 5: 0	1.750	252.000	108.00	-5.000
33	8: 9:59	1.833	249.000	108.00	-3.000
34	8:15: 0	1.917	248.000	108.00	-1.000
35	8:20: 0	2.000	249.000	108.00	1.000
36	8:24:59	2.083	252.000	108.00	3.000
37	8:30: 0	2.167	256.000	108.00	4.000
38	8:35: 0	2.250	260.000	108.00	4.000
FINAL SHUT-IN PERIOD					
39	8:38: 0	2.300	1259.000	108.00	333.000
40	8:41: 0	2.350	1396.000	108.00	137.000
41	8:44: 0	2.400	1432.000	108.00	36.000
42	8:47: 0	2.450	1451.000	108.00	19.000
43	8:50: 0	2.500	1463.000	108.00	12.000
44	8:53: 0	2.550	1472.000	108.00	3.000
45	8:56: 0	2.600	1480.000	108.00	3.000
46	8:59: 0	2.650	1489.000	108.00	3.000
47	9: 2: 0	2.700	1499.000	108.00	10.000
48	9: 5: 0	2.750	1501.000	108.00	2.000

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION
WELL : #1
GAUGE # : 10270
DATE : 15/ 4/90

FIELD : CHASTEL
JOB # : 16087
DEPTH : 3800
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9: 8: 0	2.800	1506.000	108.00	5.000
50	9:11: 0	2.850	1510.000	108.00	4.000
51	9:14: 0	2.900	1512.000	108.00	2.000
52	9:17: 0	2.950	1516.000	108.00	4.000
53	9:20: 0	3.000	1519.000	108.00	3.000
54	9:23: 0	3.050	1521.000	108.00	2.000
55	9:26: 0	3.100	1523.000	108.00	2.000
56	9:29: 0	3.150	1525.000	108.00	2.000
57	9:32: 0	3.200	1525.000	108.00	0.000
58	9:35: 0	3.250	1525.000	108.00	0.000
59	9:38: 0	3.300	1526.000	108.00	1.000
60	9:41: 0	3.350	1526.000	108.00	0.000
61	9:44: 0	3.400	1527.000	108.00	1.000
62	9:47: 0	3.450	1528.000	108.00	1.000
63	9:50: 0	3.500	1529.000	108.00	1.000
64	9:53: 0	3.550	1531.000	108.00	2.000
65	9:56: 0	3.600	1533.000	108.00	2.000
66	9:59: 0	3.650	1535.000	108.00	2.000
67	10: 2: 0	3.700	1536.000	108.00	1.000
68	10: 5: 0	3.750	1537.000	108.00	1.000

WESTERN TESTING CO. INC.

ORIGINAL

FLUID SAMPLE REPORT

Date : 4-15-90 Ticket No. : 16087
Company : TXO PRODUCTION CORPORATION
Well Name & No. : CHASTEL #1
DST No. 1
County : BARBER State : KANSAS
Sampler No. : 1 Test Interval : 3770-3800

=====

Pressure in Sampler	250 PSIG	BHT	108	Deg F
Total Volume of Sampler	: 3150	cc		
Total Volume of Sample	: 1000	cc		
Oil:		cc		
Water:	1000	cc		
Mud:		cc		
Gas:	10.84cu	ft		
Other:		cc		

=====

RESITIVITY

Drilling Mud .02 @ 72 F Chloride Content 115000 ppm
Mud Pit Sample 2.4 @ 64 F Chloride Content 4000 ppm
Gas/Oil Ratio Gravity API @ Deg F
Where was sample drained RIG

Remarks:

ORIGINAL

GAS FLOW REPORT

Date : 4-15-90 Ticket # : 16087
Customer : TXO PRODUCTION CORPORATION Lease : CHASTEL
Well : #1 Test : 1 Geologist : WILLIAMS
Elevation (KB) : NA Formation : ELGIN SD.
Section : 28 Township : 34S
Range : 14W County : BARBER State : KANSAS
Gauge SN # : 10270 Range : 4150 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

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9 MIN.	MERLA	1/2"		GAS TO SURFACE
10 MIN.	MERLA	1/2"	7 PSIG	94500 C.F.P.D.
15 MIN.	MERLA	1/2"	13 PSIG	134000 C.F.P.D.
20 MIN.	MERLA	1/2"	25 PSIG	205000 C.F.P.D.
25 MIN.	MERLA	1/2"	34 PSIG	253000 C.F.P.D.
30 MIN.	MERLA	1/2"	42 PSIG	296000 C.F.P.D.

SECOND FLOW

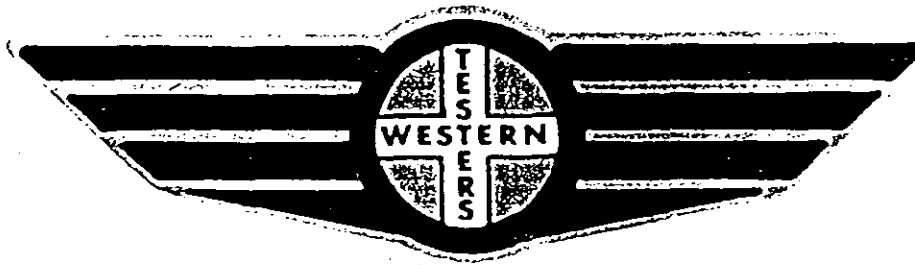
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5 MIN.	MERLA	1/2"	54 PSIG	357000 C.F.P.D.
15 MIN.	MERLA	3/4"	33 PSIG	558000 C.F.P.D.
25 MIN.	MERLA	3/4"	29 PSIG	510000 C.F.P.D.
35 MIN.	MERLA	3/4"	30 PSIG	522000 C.F.P.D.
45 MIN.	MERLA	3/4"	30 PSIG	522000 C.F.P.D.

Gas Bottle SN # : 3046-HOF4-300CC
Date Bottle Filled : 4-15-90
Date to be Invoiced : 4-15-90

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY TXO PRODUCTION CORPORATION LEASE & WELL NO. CHASTER #1 SEC. 28 TWP. 34S RGE. 14W TEST NO. 2 DATE 6/18/90

ORIGINAL

WESTERN TESTING CO. INC. SUBSURFACE PRESSURE SURVEY

DATE : 4-18-90 TICKET : 16001
CUSTOMER : TXO PRODUCTION CORPORATION LEASE : CHASTEL
WELL : #1 TEST: 2 GEOLOGIST : VEATCH
ELEVATION : 1635 K.B. FORMATION : MISSISSIPPI
SECTION : 28 TOWNSHIP : 34S
RANGE : 14W COUNTY : BARBER STATE : KANSAS
GAUGE SN# : 1051 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 4799 TO : 4848 TOTAL DEPTH : 4848
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4794 SIZE : 6.63
PACKER DEPTH : 4799 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LOBO DRILLING CO.
MUD TYPE : CHEMICAL VISCOSITY : 50
WEIGHT : 8.9 WATER LOSS (CC) : 9.6
CHLORIDES (PPM) : 2500
JARS-MAKE : WTC SERIAL NUMBER : 401
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 182 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 512 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 4077 FT I.D. inch : 3.80
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 49 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW
BLOW COMMENT #2 : IN 15 MINUTES.
BLOW COMMENT #3 : FINAL FLOW PERIOD STRONG BLOW
BLOW COMMENT #4 : NO GAS TO SURFACE.

ORIGINAL

RECOVERED : 50 FT OF: MUD

Total Barrels Fluid = 0.25
Total Fluid Prod Rate = 3.93 BFPD
Indicated Wtr Rate = 0.04 BWPD

REMARK 1 :
REMARK 2 : 500 FT. GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	5:25 A.M.	TIME STARTED OFF BOTTOM :	9:55 A.M.
WELL TEMPERATURE :	120		
INITIAL HYDROSTATIC PRESSURE		(A)	2330
INITIAL FLOW PERIOD MIN:	30	(B)	77 PSI TO (C) : 77
INITIAL CLOSED IN PERIOD MIN:	60	(D)	77
FINAL FLOW PERIOD MIN:	60	(E)	75 PSI TO (F) : 75
FINAL CLOSED IN PERIOD MIN:	120	(G)	91
FINAL HYDROSTATIC PRESSURE		(H)	2330

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : TXO PRODUCTION CORPORATION
RIG : BARBER-KANSAS
FIELD : CHASTEL
WELL : #1
DATE : 4-18-90
GAUGE NO : 1051

OPERATIONAL COMMENTS

500 FT. GAS ABOVE FLUID

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION FIELD : CHASTEL
 WELL : #1 JOB # : 16001
 GAUGE # : 1051 DEPTH : 4848
 DATE : 18/ 4/90 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	5:25: 0	0.000	77.000	120.00	0.000
3	5:29:59	0.083	77.000	120.00	0.000
4	5:35: 0	0.167	77.000	120.00	0.000
5	5:40: 0	0.250	77.000	120.00	0.000
6	5:44:59	0.333	77.000	120.00	0.000
7	5:50: 0	0.417	70.000	120.00	-7.000
8	5:55: 0	0.500	77.000	120.00	7.000
INITIAL SHUT-IN PERIOD					
9	5:58: 0	0.550	77.000	120.00	0.000
10	6: 1: 0	0.600	77.000	120.00	0.000
11	6: 4: 0	0.650	77.000	120.00	0.000
12	6: 7: 0	0.700	77.000	120.00	0.000
13	6:10: 0	0.750	77.000	120.00	0.000
14	6:13: 0	0.800	77.000	120.00	0.000
15	6:16: 0	0.850	77.000	120.00	0.000
16	6:19: 0	0.900	77.000	120.00	0.000
17	6:22: 0	0.950	77.000	120.00	0.000
18	6:25: 0	1.000	77.000	120.00	0.000
19	6:28: 0	1.050	77.000	120.00	0.000
20	6:31: 0	1.100	77.000	120.00	0.000
21	6:34: 0	1.150	77.000	120.00	0.000
22	6:37: 0	1.200	77.000	120.00	0.000
23	6:40: 0	1.250	77.000	120.00	0.000
24	6:43: 0	1.300	77.000	120.00	0.000
25	6:46: 0	1.350	77.000	120.00	0.000
26	6:49: 0	1.400	77.000	120.00	0.000
27	6:52: 0	1.450	77.000	120.00	0.000
28	6:55: 0	1.500	77.000	120.00	0.000
FINAL FLOW PERIOD					
29	6:56: 0	1.517	75.000	120.00	-2.000
30	6:59:59	1.583	75.000	120.00	0.000
31	7: 5: 0	1.667	75.000	120.00	0.000
32	7:10: 0	1.750	75.000	120.00	0.000
33	7:14:59	1.833	75.000	120.00	0.000
34	7:20: 0	1.917	75.000	120.00	0.000
35	7:25: 0	2.000	75.000	120.00	0.000
36	7:29:59	2.083	75.000	120.00	0.000
37	7:35: 0	2.167	75.000	120.00	0.000
38	7:40: 0	2.250	75.000	120.00	0.000
39	7:44:59	2.333	75.000	120.00	0.000
40	7:50: 0	2.417	75.000	120.00	0.000
41	7:55: 0	2.500	75.000	120.00	0.000
FINAL SHUT-IN PERIOD					
42	7:58: 0	2.550	75.000	120.00	0.000
43	8: 1: 0	2.600	80.000	120.00	5.000
44	8: 4: 0	2.650	84.000	120.00	4.000
45	8: 7: 0	2.700	86.000	120.00	2.000
46	8:10: 0	2.750	87.000	120.00	1.000
47	8:13: 0	2.800	87.000	120.00	0.000
48	8:16: 0	2.850	87.000	120.00	0.000

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION
WELL : #1
GAUGE # : 1051
DATE : 18/ 4/90

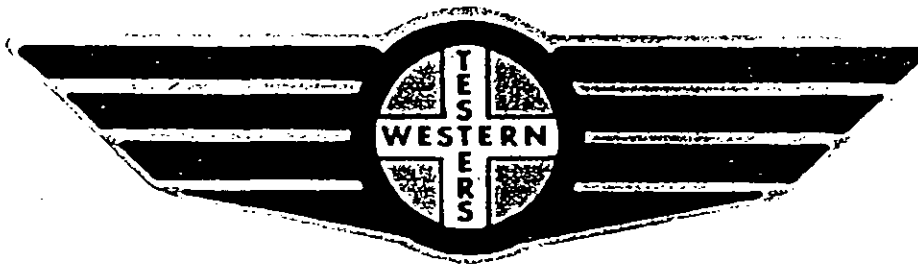
FIELD : CHASTEL
JOB # : 16001
DEPTH : 4848
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	8:19: 0	2.900	87.000	120.00	0.000
50	8:22: 0	2.950	87.000	120.00	0.000
51	8:25: 0	3.000	87.000	120.00	0.000
52	8:28: 0	3.050	88.000	120.00	1.000
53	8:31: 0	3.100	88.000	120.00	0.000
54	8:34: 0	3.150	88.000	120.00	0.000
55	8:37: 0	3.200	88.000	120.00	0.000
56	8:40: 0	3.250	88.000	120.00	0.000
57	8:43: 0	3.300	89.000	120.00	1.000
58	8:46: 0	3.350	89.000	120.00	0.000
59	8:49: 0	3.400	90.000	120.00	1.000
60	8:52: 0	3.450	90.000	120.00	0.000
61	8:55: 0	3.500	90.000	120.00	0.000
62	8:58: 0	3.550	90.000	120.00	0.000
63	9: 1: 0	3.600	90.000	120.00	0.000
64	9: 4: 0	3.650	90.000	120.00	0.000
65	9: 7: 0	3.700	90.000	120.00	0.000
66	9:10: 0	3.750	90.000	120.00	0.000
67	9:13: 0	3.800	91.000	120.00	1.000
68	9:16: 0	3.850	91.000	120.00	0.000
69	9:19: 0	3.900	91.000	120.00	0.000
70	9:22: 0	3.950	91.000	120.00	0.000
71	9:25: 0	4.000	91.000	120.00	0.000
72	9:28: 0	4.050	91.000	120.00	0.000
73	9:31: 0	4.100	91.000	120.00	0.000
74	9:34: 0	4.150	91.000	120.00	0.000
75	9:37: 0	4.200	91.000	120.00	0.000
76	9:40: 0	4.250	91.000	120.00	0.000
77	9:43: 0	4.300	91.000	120.00	0.000
78	9:46: 0	4.350	91.000	120.00	0.000
79	9:49: 0	4.400	91.000	120.00	0.000
80	9:52: 0	4.450	91.000	120.00	0.000
81	9:55: 0	4.500	91.000	120.00	0.000

WESTERN TESTING CO. INC.

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY TXO PRODUCTION CORPORATION LEASE & WELL NO. CHASTEL #1 SEC. 28 TWP. 34SRGE. 14W TEST NO. 3 DATE 4/18/90

ORIGINAL

WESTERN TESTING CO. INC. SUBSURFACE PRESSURE SURVEY

DATE : 4-18-90
CUSTOMER : TXO PRODUCTION CORPORATION
WELL : #1 TEST: 3
ELEVATION : 1635 K.B.
SECTION : 28
RANGE : 14W COUNTY : BARBER
GAUGE SN# : 1051 RANGE : 4200
TICKET : 16002
LEASE : CHASTEL
GEOLOGIST : VEATCH
FORMATION : MISSISSIPPI
TOWNSHIP : 34S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 4848 TO : 4889 TOTAL DEPTH : 4889
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4843 SIZE : 6.63
PACKER DEPTH : 4848 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : LOBO DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 56
WEIGHT : 8.8 WATER LOSS (CC) : 8.0
CHLORIDES (PPM) : 2000
JARS-MAKE : WTC SERIAL NUMBER : 401
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 182 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 512 FT I.D. inch : 2.50
DRILL PIPE LENGTH : 4126 FT I.D. inch : 3.80
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 41 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW
BLOW COMMENT #2 : FOR 20 MINUTES AND THEN DIED.
BLOW COMMENT #3 : FINAL FLOW PERIOD NO BLOW
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 15 FT OF: THIN MUD

Total Barrels Fluid = 0.07
Total Fluid Prod Rate = 1.18 BFPD
Indicated Wtr Rate = 0.12 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	9:35 P.M.	TIME STARTED OFF BOTTOM :	2:05 A.M.
WELL TEMPERATURE :	120		
INITIAL HYDROSTATIC PRESSURE		(A)	2350
INITIAL FLOW PERIOD MIN:	30	(B)	72 PSI TO (C) : 72
INITIAL CLOSED IN PERIOD MIN:	60	(D)	83
FINAL FLOW PERIOD MIN:	60	(E)	73 PSI TO (F) : 73
FINAL CLOSED IN PERIOD MIN:	123	(G)	79
FINAL HYDROSTATIC PRESSURE		(H)	2350

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : TXO PRODUCTION CORPORATION
RIG : BARBER-KANSAS
FIELD : CHASTEL
WELL : #1
DATE : 4-18-90
GAUGE NO : 1051

OPERATIONAL COMMENTS

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION
WELL : #1
GAUGE # : 1051
DATE : 18/ 4/90

FIELD : CHASTEL
JOB # : 16002
DEPTH : 4889
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	9:35:0	0.000	72.000	120.00	0.000
3	9:39:59	0.083	72.000	120.00	0.000
4	9:45:0	0.167	72.000	120.00	0.000
5	9:50:0	0.250	72.000	120.00	0.000
6	9:54:59	0.333	72.000	120.00	0.000
7	10:0:0	0.417	72.000	120.00	0.000
8	10:5:0	0.500	72.000	120.00	0.000
INITIAL SHUT-IN PERIOD					
9	10:8:0	0.550	72.000	120.00	0.000
10	10:11:0	0.600	72.000	120.00	0.000
11	10:14:0	0.650	72.000	120.00	0.000
12	10:17:0	0.700	72.000	120.00	0.000
13	10:20:0	0.750	72.000	120.00	0.000
14	10:23:0	0.800	72.000	120.00	0.000
15	10:26:0	0.850	72.000	120.00	0.000
16	10:29:0	0.900	72.000	120.00	0.000
17	10:32:0	0.950	72.000	120.00	0.000
18	10:35:0	1.000	72.000	120.00	0.000
19	10:38:0	1.050	72.000	120.00	0.000
20	10:41:0	1.100	73.000	120.00	1.000
21	10:44:0	1.150	74.000	120.00	1.000
22	10:47:0	1.200	75.000	120.00	1.000
23	10:50:0	1.250	77.000	120.00	2.000
24	10:53:0	1.300	79.000	120.00	2.000
25	10:56:0	1.350	80.000	120.00	1.000
26	10:59:0	1.400	81.000	120.00	1.000
27	11:2:0	1.450	82.000	120.00	1.000
28	11:5:0	1.500	83.000	120.00	1.000
FINAL FLOW PERIOD					
29	11:6:0	1.517	73.000	120.00	-10.000
30	11:9:59	1.583	73.000	120.00	0.000
31	11:15:0	1.667	73.000	120.00	0.000
32	11:20:0	1.750	73.000	120.00	0.000
33	11:24:59	1.833	73.000	120.00	0.000
34	11:30:0	1.917	73.000	120.00	0.000
35	11:35:0	2.000	73.000	120.00	0.000
36	11:39:59	2.083	73.000	120.00	0.000
37	11:45:0	2.167	73.000	120.00	0.000
38	11:50:0	2.250	73.000	120.00	0.000
39	11:54:59	2.333	73.000	120.00	0.000
40	12:0:0	2.417	73.000	120.00	0.000
41	12:5:0	2.500	73.000	120.00	0.000
FINAL SHUT-IN PERIOD					
42	12:8:0	2.550	73.000	120.00	0.000
43	12:11:0	2.600	73.000	120.00	0.000
44	12:14:0	2.650	73.000	120.00	0.000
45	12:17:0	2.700	73.000	120.00	0.000
46	12:20:0	2.750	73.000	120.00	0.000
47	12:23:0	2.800	73.000	120.00	0.000
48	12:26:0	2.850	73.000	120.00	0.000

ORIGINAL

COMPANY : TXO PRODUCTION CORPORATION
WELL : #1
GAUGE # : 1051
DATE : 18/ 4/90

FIELD : CHASTEL
JOB # : 16002
DEPTH : 4889
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	12:29: 0	2.900	73.000	120.00	0.000
50	12:32: 0	2.950	73.000	120.00	0.000
51	12:35: 0	3.000	73.000	120.00	0.000
52	12:38: 0	3.050	73.000	120.00	0.000
53	12:41: 0	3.100	73.000	120.00	0.000
54	12:44: 0	3.150	73.000	120.00	0.000
55	12:47: 0	3.200	73.000	120.00	0.000
56	12:50: 0	3.250	73.000	120.00	0.000
57	12:53: 0	3.300	73.000	120.00	0.000
58	12:56: 0	3.350	73.000	120.00	0.000
59	12:59: 0	3.400	73.000	120.00	0.000
60	13: 2: 0	3.450	73.000	120.00	0.000
61	13: 5: 0	3.500	73.000	120.00	0.000
62	13: 8: 0	3.550	73.000	120.00	0.000
63	13:11: 0	3.600	73.000	120.00	0.000
64	13:14: 0	3.650	73.000	120.00	0.000
65	13:17: 0	3.700	73.000	120.00	0.000
66	13:20: 0	3.750	73.000	120.00	0.000
67	13:23: 0	3.800	73.000	120.00	0.000
68	13:26: 0	3.850	74.000	120.00	1.000
69	13:29: 0	3.900	74.000	120.00	0.000
70	13:32: 0	3.950	74.000	120.00	0.000
71	13:35: 0	4.000	74.000	120.00	0.000
72	13:38: 0	4.050	75.000	120.00	1.000
73	13:41: 0	4.100	75.000	120.00	0.000
74	13:44: 0	4.150	76.000	120.00	1.000
75	13:47: 0	4.200	76.000	120.00	0.000
76	13:50: 0	4.250	76.000	120.00	0.000
77	13:53: 0	4.300	77.000	120.00	1.000
78	13:56: 0	4.350	77.000	120.00	0.000
79	13:59: 0	4.400	78.000	120.00	1.000
80	14: 2: 0	4.450	78.000	120.00	0.000
81	14: 5: 0	4.500	79.000	120.00	1.000
82	14: 8: 0	4.550	79.000	120.00	0.000

WESTERN TESTING CO. INC.