

WESTERN	TESTING	ca,	INC.
FORM	MATION TES	Th	

TICKET

Nº

1623

P. O. BOX 1599 PHONE (316) 838-0601	Elevation	Formation 0	oughs SANS Eff. Pay Fo
WICHITA, KANSAS 67201			
District	PRATI Da	te 6-13-79	_Customer Order No
COMPANY NAME BOWERS	DR19		Customer Order No
ADDRESS WICHITA, A	ANS.		
LEASE AND WELL NO. PACKARA	COUNTY BARL	STATE KAN	Sec. Twp Rge
Mail Invoice ToCo. Name	Address		No. Copies Requested
Mail Charts To	Address		No. Copies Requested
Formation Test No Interval Tested from	om 3479 ft. to	ft, Tot	al Depth 3575 ft.
Packer Depth ft. Size Packer Depth ft. Size Depth of Selective Zone Set	in. Packer	Depth Depth	al Depthft. _ft. Sizein. _ft. Sizein.
	506 ft. Recor	don Number (0246	Can \$ 200
Top Recorder Depth (Inside) Bottom Recorder Depth (Outside) Below Straddle Recorder Depth	509 ft. Recor	der Number	Cap. 5400
Drilling Contractor AAbbert & Jan	425 /19/2 Drill	Collar Length 408	I. D. 2.2 in.
Mud Type		ht Pipe Length	I. Din.
Weight Water Loss	cc. Drill	Pipe Length 5057	I. Din.
Chlorides 4 000		Tool Length	in. Tool Size Sin.
Jars: Make Serial Number		or Length Since	ft. Sizein.
Did Well Flow? Reversed Out		19 7/2	in. Bottom Choke Size in Tool Joint Size in
Blow: STRONG Blow	ThRU-OUT	TEST.	
261		<u> </u>	
Recovered A 160 ft. of 64 A 5 14	Fipe		
Recovered ft. of	1 My y de		
Recovered ft. of Mayag	WATER		
Recovered ft. of ft. of			
Remarks:			
Time Set Packer(s) 4608 A.M. P.M.	Time Started Off Bottom	16:80 A.M.	109
Initial Hydrostatic Pressure		P.M. P.S.I.	Maximum Temperature / O /
Initial Flow Period		/ 3 P.S.I. to	(C) 2 6 P.S.I.
Initial Closed In Period	Minutes(D)_	903 P.S.I.	
Final Flow Period	Minutes (E)		(F)P.S.I.
Final Closed In Period	Minutes(G)_	705 P.S.I.	
Final Hydrostatic Pressure	(H)_	1 9 0 3 P.S.I.	
COMPANY TERMS			FIELD INVOICE
Western Testing Co., Inc. shall not be liable for	damages of any kind to the prop	perty or personnel	Open Hole Test \$
of the one for whom a test is made or for an through the use of its equipment, of its stateme	nts or opinion concerning the re	esults of any test.	Misrun \$
Tools lost or damaged in the hole shall be paid			Straddle Test \$
All charges subject to 12% interest after 60 d for collection will be added to the original am		expense incurred	Jars \$Selective Zone \$
			Safety Joint \$
104.48. 108	Q		Standby \$
Test Approved By Signature of Customer or h	is authorized representative		Evaluation \$
O Sales of the	11		Extra Packer \$
	///		Circ. Sub. \$
Western Representative	Liver .		Mileage \$
	7/1/1		Extra Charts \$
/			TOTAL \$



Home Office: Wichita, Kansas 67201 P. O. Rox 1599 (316) 838-060

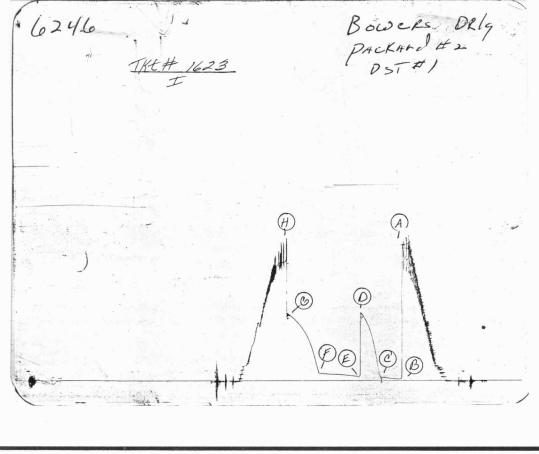
P. O. Box 1599	(316) 838-0601
Company Bowers Drilling Company, Inc.	Lease & Well NoPackard #2
Elevation Douglas Sand	Effective PayFt. Ticket No. 1623
Date Sec. Twp Range	2W County Barber State Kansas
Test Approved byRobert E. McCann	Western Representative Dave Sloan
Formation Test No. 1 Interval Tested from 3479 1	ft. to 3515 *ft. Total Depth 3515 ft.
Packer Depth 3474 ft. Size 6 3/4 in.	Packer Depth - ft. Size - in.
Packer Depth 3479 ft. Size 6 3/4 in.	Packer Depth - ft. Size - in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 3506 ft.	Recorder Number 6246 Cap 5200
Bottom Recorder Depth (Outside)	Recorder Number 5673 Cap 5400
Below Straddle Recorder Depthft.	Recorder Number - Cap
Drilling Contractor Gabbert-Jones Rig #12	Drill Collar Length 408 I. D. 2.2 in.
Mud Type Starch Viscosity 40	Weight Pipe Length I. Din.
Weight 9.5 Water Loss - cc.	Drill Pipe Length 3051 I. D. 3.8 in.
Chlorides 26,000 P.P.M.	Test Tool Length 20 ft. Tool Size 5½00 in.
Jars: Make Serial Number	Anchor Length 36 ft. Size 5½00 in.
Did Well Flow? NO Reversed Out	Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
	Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.
Blow: Strong blow throughout test.	
Recovered 2960 ft. of gas in pipe	
Recovered 65 ft. of gas cut mud	
Recovered 120 ft. of muddy water	
Recovered ft. of	
Recovered ft. of	
Remarks:	
	Jugt.
The state of the s	
Time Set Packer(s) 4:05 P.M. Time Started Off Bot	A.M. tom 6:50 P.M. Maximum Temperature 109
Initial Hydrostatic Pressure	(A) 1671 P.S.I.
Initial Flow Period	(B) 20 P.S.I. to (C) 47 P.S.I.
Initial Closed In Period	(D) 921 P.S.I.
Final Flow Period	(E) 56 P.S.I. to (F) 99 P.S.I.
Final Closed In Period	(G) 914 P.S.I.
Final Hydrostatic Pressure	1617

6 / 13/79			Test Ticket No	1623
Recorder No		Capacity 5200	Location	3506 _F
Clock No	Elevation		Well Temperature	109 .
Point	Pressure		Time	Time omputed
A Initial Hydrostatic Mud	1671 P.S.I.	Open Tool	4:05 A M	
First Initial Flow Pressure	20 _{P.S.I.}	First Flow Pressure	30 Mins 30)Min
First Final Flow Pressure	47 P.S.I.	Initial Closed-in Pressure	30 Mins 30)Min
Initial Closed-in Pressure	921 _{P.S.I.}	Second Flow Pressure	60 _{Mins} 60)Min
Second Initial Flow Pressure	56 P.S.1.	Final Closed-in Pressure	45 Mins. 45	MirMir
Second Final Flow Pressure	99P.S.I.			
Final Closed-in Pressure	914 P.S.I.			
I Final Hydrostatic Mud	1617 _{P.S.I.})	
	PRESSURE	BREAKDOWN		
First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Sh	ut-In
Breakdown: 6 Inc.	Breakdown: Inc.	Breakdown: 12 Inc.	Breakdown:15	Inc.
of 5 mins. and a	of 3 mins. and a	of 5 mins. and a	of3mi	ns. and a
final inc. of 0 Min.	final inc. of 0 Min.	final inc. of 0 Min.	final inc. of	0 _{Min.}
oint ins. Press.	Point Minutes Press. 47	Point Minutes Press. 0 56	Point Minutes	Press.
5 20	3 139	5 58	3	188

		2100000		Dicardown		Dieakdowi	ithc.
of 5	mins. and a	of 3	nins. and a	of 5 m	nins. and a	of3	_mins. and a
final inc. of	0 Min.	final inc. of	0 Min.	final inc. of	0Min.	final inc.	of 0 Min.
Point Mins.	Press. 20	Point Minutes	Press. 47	Point Minutes 0	Press.	Point Minutes O	Press.
P 2 5	20	3	139	5	58	3	188
P 310	20	6	319	10	63	6 .	296
P 4 15	29	9	461	15	71	9	398
P 5 20	34	12	581	20	74	12	482
P 625	39	15	678	25	78	15	547
P 730	47	18	749	30	81	18	605
P 8		21	804	35	84	21	654
P 9		24	856	40	87	24	702
P10		27	884	45	89	27	741
P11		30	921	50	93	30	775
P12			k v fg.	55	96	33	801
P13	**	_ Tem jerga s -	31 -	60	99	36	832
P14	* '				5 1 18, 5 1	39	856
P15				6 · *		42	877
P16			Hipe of Control	The second second	-	45	914
P17	. :	-	1				
P18	S V		-1- 2 1-				= 1 ×
P19		41 E ₂ *2	The street	8 1 1			7
	2 F						

P20____ WTC - 4

6/13/79



This is an actual photograph of recorder chart.

		PRES	SSURE	
POINT		Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1616	1671	PSI
(B)	First Initial Flow Pressure			PSI
(C)	First Final Flow Pressure			PSI
(D)	Initial Closed-in Pressure			PSI
(E)	Second Initial Flow Pressure			PSI
(F)	Second Final Flow Pressure			PSI
(G)	Final Closed-in Pressure		914	PSI
(H)	Final Hydrostatic Mud		1617	PSI



FORMATION TEST

WESTERN TESTING CA., INC.

TICKET

1624

P. O. BOX 1599 PHONE (316) 838-0601 Elevation. Formation WICHITA, KANSAS 67201 Date District Customer Order No. ADDRESS. LEASE AND WELL NO Mail Invoice To No. Copies Requested Address Co. Name Mail Charts To_ No. Copies Requested Address Formation Test No. Interval Tested from. ft. Total Depth_ ft. Packer Depth Packer Depth. fr. Size 6 in. ft. Size. in. Packer Depth_ Size_ Packer Depth in. ft. Size. in. Depth of Selective Zone Set. ft. Recorder Number Top Recorder Depth (Inside) Cap Bottom Recorder Depth (Outside) ft. Recorder Number Cap. Below Straddle Recorder Depth ft. Recorder Number. Cap. Drilling Contractor Drill Collar Length I. D in. Mud Type. Weight Pipe Length Viscosity_ I. D in. Weight Water Loss Drill Pipe Length. CC. I. D. in. Chlorides_ P.P.M. Test Tool Length in. Tool Size. Of line Jars: Make. Serial Number. Anchor Length. ft. Size. Did Well Flow?. Reversed Out Surface Choke Size. in. Bottom Choke Size in. Main Hole Size in Tool Joint Size Blow: Recovered ft of Recovered. ft. of. Recovered. Recovered. ft. of. Recovered. Remarks: A.M. P.M. A.M. Time Set Packer(s) P.M. Time Started Off Bottom. Maximum Temperature Initial Hydrostatic Pressure P.S.I. (A) Initial Flow Period . Minutes (B) P.S.I. to (C) P.S.I. Initial Closed In Period 0 (D) P.S.I. Final Flow Period . Minutes (E) P.S.I. to (F) P.S.I. Final Closed In Period (G) Minutes P.S.I. Final Hydrostatic Pressure(H). P.S.I. FIELD INVOICE 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. Open Hole Test Misrun Straddle Test Jars 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. Selective Zone Safety Joint Standby Test Approved By. Evaluation Signature of Customer or his authorized representative Extra Packer Circ. Sub. Mileage Western Representative Extra Charts TOTAL



Home Office: Wichita, Kansas 67201

P. O. Box 1599

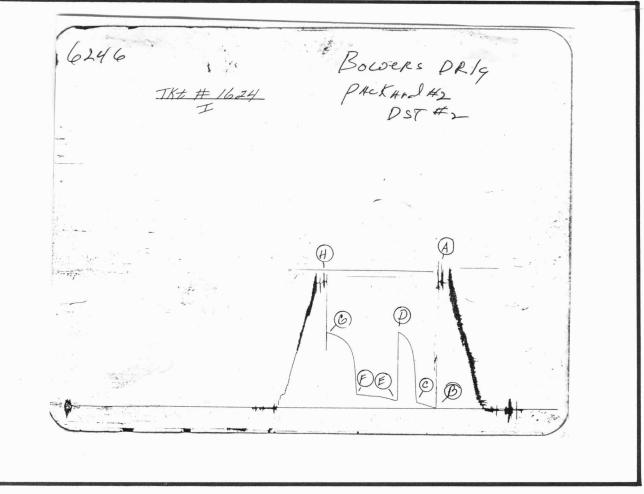
(316) 838-0601

Company Bowers Drilling Company	Lease & Well NoPackard #2
Fleverion — Bouglas Sand	Effective Pay Ft. Ticket No. 1624
Date 6/13/79 Sec 12 Twp 32\$ Range 1	2W County Barber State Kansas
Test Approved by Robert E. McCann	
Formation Test No. 2 Interval Tested from 3528	ft. to 3542 ft. Total Depth 3542 ft.
Packer Depth 3523 ft. Size 6 3/4 in.	Packer Depthft. Sizein.
Packer Depth 3528 ft. Size 6 3/4 in.	Packer Depth ft. Size in.
Depth of Selective Zone Set	Percedos Number 6246 Cap 5200
Top Recorder Depth (Inside) 3534 ft.	Recorder Number Cap.
Bottom Recorder Depth (Outside) 5337 ft.	Recorder Number 5673 Cap 5400
Below Straddle Recorder Depth ft.	Recorder Number Cap.
Drilling Contractor Gabbert-Jones	Drill Collar Length 408 I. D. 2.2 in.
Mud Type starch Viscosity 40	Weight Pipe Length I. Din.
Weight 9.5 Water Loss c.	Drill Pipe Length 3100 I. D. 3.8 in.
Chlorides 26,000 P.P.M.	Test Tool Length 20 ft. Tool Size $5\frac{1}{2}0D$ in.
Jars: Make Serial Number T	Anchor Length 14 ft. Size 5½0D in.
Did Well Flow? NO Reversed Out	Surface Choke Size 3/4 in. Bottom Choke Size 3/4
	Main Hole Size 7 7/8 in. Tool Joint Size 4½FH
Recovered 80 watery mud	115 000 ablassidas mm
Recovered ft. of water	115,000 chlorides ppm
Recovered ft. of	
Recovered ft. of	
Recovered ft. of	· · · · · · · · · · · · · · · · · · ·
Remarks:	
	•
Time Set Packer(s) 4:30 =A.M. Time Started Off Bo	
Initial Hydrostatic Pressure	(A) 1738 P.S.I.
Initial Flow Period	(B) 13 P.S.I. to (C) 81 P.S.I.
Initial Closed In Period	(D)1026P.S.I.
Final Flow Period	(E)
Final Closed In Period	(G)1018P.S.I.
Final Hydrostatic Pressure	(H) 1707 P.S.I.
	(,

WESTERN TESTING CO., INC. Pressure Data

Recorder No		essure 1738 P.S.I. 13 P.S.I. 81 P.S.I. 1026 P.S.I.	Open Tool First Flow Pre	5200	Location Well Temperate Time Given 4:30P	
Point A Initial Hydrostatic Mud B First Initial Flow Pressure C First Final Flow Pressure D Initial Closed-in Pressure E Second Initial Flow Pressure F Second Final Flow Pressure G Final Closed-in Pressure H Final Hydrostatic Mud First Flow Pressure	Pre	1738 P.S.I. 13 P.S.I. 81 P.S.I.	First Flow Pre	SSUIFE	Time Given 4:30P	Time Computed
C First Final Flow Pressure D Initial Closed-in Pressure E Second Initial Flow Pressure F Second Final Flow Pressure G Final Closed-in Pressure H Final Hydrostatic Mud First Flow Pressure		81 P.S.I.	First Flow Pre	RELIFE		IVI
D Initial Closed-in Pressure E Second Initial Flow Pressure F Second Final Flow Pressure G Final Closed-in Pressure H Final Hydrostatic Mud First Flow Pressure		1006		soult	30	Mins 30 Mins
E Second Initial Flow Pressure F Second Final Flow Pressure G Final Closed-in Pressure H Final Hydrostatic Mud First Flow Pressure		1026 psr	Initial Closed-i			Mins 30 Mins
First Flow Pressure First Flow Pressure First Flow Pressure		.5.1.	Second Flow F			Mins 60 Mins
G Final Closed-in Pressure H Final Hydrostatic Mud First Flow Pressure		107P.S.1.	Final Closed-in	Pressure		Mins. 45 Mins
H Final Hydrostatic Mud First Flow Pressure		183 P.S.I.			,	
First Flow Pressure		1018 _{P.S.I.}				
		1707 _{P.S.I.}				
		PRESSURE	BREAKDOWN			
Breakdown: Unc.	Initial S			ow Pressure		Final Shut-In
-	Breakdown:		Breakdown:_	12 Inc.		down: 15 _{nc.}
		nins. and a	of 5	mins. and a	of	3 mins. and a
final inc. of 0 Min.	final inc. of	0 Min.		0 Min.		inc. of 0 Min.
Mins. Press. P 1 13	Minutes 0	Press.	Point Minutes ()	Press. 107	Point Minutes O	Press.
P 2 5 14	3	492	5	110	3	484
P 3 10 31	6	723	10	126	6	673
P 4 15 50	9	812	15	136	9	767
P 52060	12	880	20	144	21	825
P 62571	15	919	25	154	15	861
P 73081	18	958	30	160	18	890
P 8	21	984	35	160	21	914
P 9	24	1005	40	164	24	935
P10	27	1018	45	168	27	953
P11	30	1026	50	173	30	969
P12	,		55	177	33	979
P13	i =		60	183	36	990
P14	- 100 m			<u> </u>	39	1000
P15	The state of the s			-5	42	1008
P16			4	-	45	1018
P17				-		
P18	6 1 <u>7</u>					2
P19						_
P20	7				7	-

WTC - 4



This is an actual photograph of recorder chart.

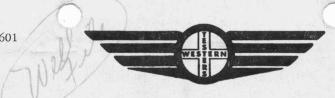
PRESSURE

		INLO	JUNE	
POINT		Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1720	1738	PSI
(B)	First Initial Flow Pressure	13	13	PSI
(C)	First Final Flow Pressure	65	81	PSI
(D)	Initial Closed-in Pressure	1007	1026	PSI
(E)	Second Initial Flow Pressure	91	107	PSI
(F)	Second Final Flow Pressure	170	183	PSI
(G)				PSI
(H)	Final Hydrostatic Mud			PSI

WESTERN TESTING CO., INC. FORMATION TEST 3 TICKET Nº 1704

		- 10	HUNE! IV.	1101
P. O. BOX 1599 PHONE (316) 83 WIGHITA, KANSAS 67271	B.060 PElevation	2 6 Formation	M,35	Eff. PayFt.
WIGHTA, KANSAS 67201	Post	Date 6-16-9	3	
COMPANY NAME ROLDER	S Dilling Co	Date Date	Customer Order No)
ADDRESS	De Blob		This done	Sead 17200
NOOKESS DA IVA	1 # 2 / #	nohen U	chica 199AA	
LEASE AND WELL NO.	S N M &	ARD CE STATE ME	Sec. Twp	and the same of th
Mail Invoice ToCo. Name		ddress	No. Copies I	Requested
Mail Charts To	SAME	ddress	No. Copies I	Requested
Formation Test No Interval	Tested from 42.54	ft. to. 4275 ft.	Total Depth 4/A	295 ft.
// // 7/ ()	Size 4 in.	Packer Depth	ft. Size	in.
Packer Depth 44 54 ft.	Size 62/4 in.	Packer Depth	ft. Size	in.
Depth of Selective Zone Set	11 A Com P3			
Top Recorder Depth (Inside)	# ft. 1	Recorder Number	Cap.	50
Bottom Recorder Depth (Outside) Below Straddle Recorder Depth	7 % 6C ft.	Recorder Number	and delication in the second	20
AND ADMINISTRATION OF THE PROPERTY OF THE PROP	of Endor Spring Big	10	Cap	100
Drilling ContractorViscos	in 39	Drill Collar Length Weight Pipe Length	I. D.	in.
Weight Water		Drill Pipe Length	I. D.	in.
Chlorides 28000	P.P.M.	Test Tool Length	in. Tool Size	months (1)
Jars: Make Seria	al Number	Anchor Length	ft. Size 53	60 in.
Did Well Flow? Rever	sed Out	Surface Choke Size	in. Bottom Choke	24/11/
E # 2 A 1 1 1 #		Main Hole Size	in. Tool Joint S	
Blow: Dear Blow	clough out test	- 9 AS ES 3	Company of the second	midule +
PROPERTY OF THE PROPERTY OF TH			Sel	
Recovered ft. of	or some a			
Recovered ft. of ft. of				
Recovered ft. of				
Recovered ft. of				
Remarks:	e 600 fh	of bettone	-94	
		_ 1.1		
Time Set Packer(s)	A.M. P.M. Time Started Off Bot	tom 57'50 A.M.	Maximum Temperat	ure 13/2 f
Initial Hydrostatic Pressure		(A) 23/6 P.S		
Initial Flow Period	Minutes	Call different	I. to (C)	P.S.I.
	Minutes 7	(D) P.S		
Final Flow Period	Minutes 60	(E) P.S	.I. to (F)	P.S.I.
Final Hydrostatic Pressure		F) I on Emperor		
COMPANY TERMS	PATOMININA AND ART AND ART STORY CONTROL ARTHROOGY SHARE A SECTION OF CHARLES AND ARTHROOGY AND ARTH		FIELD IN	VOICE ///o°
Western Testing Co., Inc. shall not be	liable for damages of any kind to	the property or personnel	Open Hole Test	\$ 4-460
of the one for whom a test is made	or for any loss suffered or sustain	ined directly or indirectly	Misrun	\$
through the use of its equipment, of Tools lost or damaged in the hole shall	ll be paid at cost by the party for	whom the test is made.	Straddle Test	\$
All charges subject to 12% interest		ce. Any expense incurred	Jars	\$
for collection will be added to the o	riginal amount.		Selective Zone	\$
119 00	1100		Safety Joint Standby	\$
Test Approved By	omer or his authorized representa	ntive	Evaluation	\$
Signature of Custo	mici of his authorized represents	ilive	Extra Packer	\$
20	1-1 10		Circ. Sub.	\$
Western Representative	will the	unk you	Mileage	\$
		Y	Extra Charts	4110
			TOTAL	\$ 400-

Phone 316 838-0601



P. O. Box 1599 WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 2014

Date 6	-16-7	Tick	et 1704	Compar	ny bowe		ellend	Co3-73	
Well Nam					_Dst No	Interv	ral Tested 125	4-4	275
County	arber	St	ate Kare	7017 -	Sec	Twp		Rg.	1977
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		Descri	ption of Flow		*7
				PRE I	FLOW				a paged
285F	1/91					T00/	" spen	7 1	
				1.6			1		
2:05						close	- Vool.		
				1		1			
					i i			and the second	4
01,00	A 101			SECONI	FLOW		1 200 1		
3,30	I Aphotom				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2001	Shuban	o maran	7-
10 min	1-4-24W	1/2"			15.400	V mcf.	PIOT		
20	575	1			W/4 100	/ / /			
30	4"			1	11/2:50	0 (
40	4				12,50	0.		المستحاصات	
50	H'			1	1/2,50	0 /			
60	4"	1	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,1,1	12,50	0 Y			1
construction.		298000							11114
					A. F. 1-22				استعلم
							dalla decid		
								-1	
									إحسنت
- N- #									
				a mil ki					
				GAS B	OTTLE				
Carlot NIa		Data	Pottle Filled			_Date to be I	nyoiced have		
Serial No.	T. V.	Date	Bottle Filled_			_Date to be in	iivoiced	The same	111
Requisition	and Provision	s for high	pressure stainl	ess steel gas	bottles. Wester	n Testing Co.,	Inc. shall not l	e liable for	damage
of any kin	d to property of	or personnel	of the one v	vhom gas bot	tle is filled or	for any loss s	suffered or susta	ined directly	y or in-
directly the	rough the use o	of these bott	les. By signin	g of this tick	et showing rece	eipt of a gas te	esting bottle, the	undersigne	dagrees
for himsel	f and as agent	for operato	or, to return the	nis bottle to	western Testin	g Co., Inc. wit	hin thirty (30) g or damaged l	days free of	charge,
ator shall	be invoiced for	repairs at	our invoiced	price.	valve of seal	Plug be illissili	ig of dailiaged i	ocyona repai	ii, oper-
		1							
All charges	s subject to 1%	per month,	equal to 12%	COMP	ANY'S NAME				
interest pe	r annum after	30 days fro	om date of in-						
voice. Any	y expense incur	red for coll	lection will be	A + 1	ized by				
added to t	he original amo	ount.		Author	ized by			165	



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Bowers Drilling Company, I	nc.	Lease & Well No.	Pac	kard #2		
	ssissippi	Effective Pay		Ft.	Ticket No	1704
Date 6/16/79 Sec. 12 Twp. 3	325 Range	12W County Barb	erState	Kansas		
Test Approved by Robert E. McCar		Western Represent	D	od Tritt		
Formation Test No. 3 Interval Tested from	4254		75	d Depth	4275	ft.
Packer Depth 4249 ft. Size 6 3	3/4 in.	Packer Depth		ft. Size	in.	
4254 t. Size 6.3	3/4 in.	Packer Depth	=	ft. Size	_	
	in.	Packer Depth	_	_rt. Size	in.	
Depth of Selective Zone Set	257	Daniela Manta	2604	C	4150	
Top Recorder Depth (Inside)		Recorder Number	2606	Cap	4150	_
Bottom Recorder Depth (Outside)	п	Recorder Number		Cap		_
Below Straddle Recorder Depth Deillies Contracts Gabbert Jones Inc.		Recorder Number_		Cap	2½ .	
Diffing Contractor	1(19 1/12	Drill Collar Length		I. D		in.
Mud Type viscosity viscosity	5	Weight Pipe Leng		I. D.		in.
20 000		Drill Pipe Length.	21	88 I. D	F1.0D	
Chlorides 28,000 p	.P.M.	Test Tool Length.	0.7	ft. Tool Si		in.
Ne		Anchor Length	21	ft. Size	5½0D i	
Jars: Make NO Serial Number_			011			
Jars: Make NO Serial Number Did Well Flow? NO Reversed Out	No	Surface Choke Siz			Choke Size	3/4 i
Did Well Flow? NO Reversed Out		Main Hole Size	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout tes	t, Gas to s	Main Hole Size	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout tes	t, Gas to s	Main Hole Size	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout tes attached sheet for gas mea	st. Gas to s surements.	Main Hole Size	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout tess attached sheet for gas mea Recovered 180 ft. of froggy ga	st. Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Blow: attached sheet for gas mea Recovered 180 ft. of froggy ga Recovered ft. of	st. Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout test attached sheet for gas meat Recovered 180 ft. of froggy gas Recovered ft. of ft	st. Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout test attached sheet for gas mea Recovered 180 ft. of froggy ga Recovered ft. of Recovered ft. of Recovered ft. of	st. Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
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Did Well Flow? No Reversed Out Strong blow throughout test attached sheet for gas meat Recovered 180 ft. of froggy ga Recovered ft. of Recovered ft. of Recovered ft. of	st, Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? No Reversed Out Strong blow throughout test attached sheet for gas meat Recovered 180 ft. of froggy gat Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Hit bridge f	st, Gas to s surements.	Main Hole Size urface in one m	7 7/8 in	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? Strong blow throughout test attached sheet for gas measured. Recovered 180 ft. of froggy gas. Recovered ft. of	st. Gas to s surements. assy oil	Main Hole Size urface in one m	7 7/8 in inute after	n. Tool	Joint Size 4	şFH ;
Did Well Flow? Strong blow throughout test attached sheet for gas measured. Recovered 180 ft. of froggy gas. Recovered ft. of	st, Gas to s surements.	Main Hole Size urface in one m f bottom. Bottom 5:50	7 7/8 in inute after A.M.	n. Tool	Joint Size 4	₂ FH ;
Did Well Flow? Strong blow throughout test attached sheet for gas measured. Recovered 180 ft. of froggy gas. Recovered ft. of	st. Gas to susurements. Assy oil 500 feet of	Main Hole Size_urface in one must be size for the must be size. f bottom. Bottom 5:50 (A) 2295	7 7/8 in inute after aft	n. Tool	ppening. Some	şFH ; ee
Did Well Flow? Strong blow throughout test attached sheet for gas measured. Recovered 180 ft. of froggy gas. Recovered ft. of	st. Gas to susurements. assy oil 500 feet of time Started Off 1	Main Hole Size urface in one m f bottom. Bottom 5:50(A) 2295(B) 67	7 7/8 in inute after aft	n. Tool	Joint Size 4	şFH ; ee
Did Well Flow? Strong blow throughout test attached sheet for gas med attached sheet for gas med Recovered Recovered ft. of froggy gas Recovered ft. of ft. of Recovered ft. of	st, Gas to s surements. assy oil 500 feet of time Started Off I	Main Hole Size_urface in one must be strong from the strong fr	7 7/8 in inute after aft	n. Tool	ppening. Some dispension of the population of th	şFH ; ee
Did Well Flow? Strong blow throughout test attached sheet for gas measured. Recovered 180 ft. of froggy gas. Recovered ft. of	ist, Gas to susurements. Assy oil 500 feet of ime Started Off I	Main Hole Size_ urface in one m f bottom. Bottom 5:50(A) 2295(B) 67(B) 962(E) 72	A.M. P.S.I. to P.S.I.	n. Tool	mperature 17 P.S	₂FH ; ee
Did Well Flow? Strong blow throughout test attached sheet for gas med Recovered 180 ft. of froggy gas Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Remarks: Time Set Packer(s) Time Set Packer(s) Initial Hydrostatic Pressure Initial Flow Period Initial Closed In Period Modern Serial Number Seria	inutes 60	Main Hole Size_ urface in one m f bottom. Bottom 5:50(A) 2295(B) 67(D) 962(D) 962	A.M. P.S.I. to P.S.I.	n. Tool in final (mperature 17 P.S	₂FH ; ee



Home Office: Wichita, Kansas 67201 P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 6/16	5/79	Tick	ret]	704 Compai	av.	Bowers	Drilling Co	mpany, I	nc.
Well Name and No		Packard #2			_Dst No	3	4254'-4275' Interval Tested		
County	Barber		tate Kansas		Sec	12-	_Twp	Rg	12W
Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester		Description	on of Flow	at 1
				PRE	FLOW		4		
2:35AM		*		, ii			TOOL OPE	EN	
	i ş		0	-	-				
3:05		5					CLOSED 7	00L	
				8				ì	
							X	5	4
3:50AM		SECOND			FLOW		TOOL OPE		
:51					4		GAS TO S	SURFACE (ONE MINUTE
	10 min.	6" of wat	er 1/2" or	ifice			15,400 (FPD	-
	20 min.	5" of wat	er 1/2" or	ifice	L.		14,100 (FPD	8
P	30 min.	4" of wat	er 1/2" or	ifice			12,500 (CFPD	-
	40 min.	4" of wat	er 1/2" or	ifice			12,500 (CFPD	
	50 min.	4" of wat	er 1/2" or	ifice	P *		12,500 (CFPD	
	60 min.	4" of wat	er 1/2" or	ifice			12,500 (CFPD	-
11-		. 1			>			7	
						41			
		,			Į.		C		
							4		
						In			•
				GAS B	OTTLE				
Serial No	1	Date	Bottle Filled_	, ·		Date to	o be Invoiced	6/16,	/79
Requisition of any kind directly thro for himself or be invoice	to propert ough the use and as age ced in the a	ons for high y or personnel e of these bott ont for operato	pressure stainl of the one v les. By signin or, to return the	whom gas both g of this tick his bottle to rge). Should	tle is filled o et showing re Western Testi	ern Testir r for any ceipt of a ing Co., I	ng Co., Inc. shall y loss suffered or a gas testing bottle inc. within thirty missing or dama	sustained de, the under (30) days for	lirectly or in- signed agrees ree of charge.
interest per	annum afte	% per month, er 30 days frocurred for collumount.	om date of in-	1 45	ANY'S 'NAM		ers Drilling		, Inc.

				STING CO., INC	C		
Date 6/	16/79					Torr Tisler >	1704
Recorder No	2604					Test Ticket I	1257
Clock No		Flevation	Elevation 1472 Kelly Bushing			1 19	101
Point A Initial Hydr			essure	Open Tool		Well Temperate Time Given 2:35A	Time Computed
B First Initial	Flow Pressure	67	P.S.I.	First Flow Pres	ssure	30	Mins 30 Mins
C First Final	Flow Pressure	17	P.S.I.	Initial Closed-in	n Pressure	ΛE	Mins. 45 Mins
D Initial Close	d-in Pressure	962	P.S.I.	Second Flow P	ressure	60	Mins 60 Mins
E Second Initia	al Flow Pressure	72			Pressure	60	Mins. 72 Mins
F Second Final	l Flow Pressure	27	P.S.I.				, · · · · ·
G Final Closed	d-in Pressure	106	1065 P.S.I.				
H Final Hydro	ostatic Mud	216	55 P.S.I.		1		
			PRESSURE I	RPFAKDOWN			* * ^ * ^ * * * * * * * * * * * * * * *
5		Breakdown:	Initial Shut-In Breakdown: 15 Inc. of 3 mins, and a		Second Flow Pressure Breakdown: 12 Inc.		Final Shut-In 24 Inc.
final inc.	•	final inc. of_	•		mins. and a	of	and a
Point Mins.	Press. 67	Point Minutes	Press.	final inc. of. Point Minutes 0	Press. 72	final Point Minutes 0	inc. of 0 Min.
P 2 5	37	3	30	5	38	3	51
P 3 10	29	6	49	10	30	6	111
15	23	9	95	15	26	9	192
P 5 20	21	12	185	20	24	12	265
P 625	19	15	294	25	22	15	329
P 730	17	18	385	30	22	18	382
P 8		21	472	35	21	21	444
P 9		24	559	40	21	24	500
P10	*	27	634	45	22	27	550
P11	7	30	707	50	23	30	600
P12		33	774	55	25	33	644
P13		36	830	60	27	36	690
P14		39	889	+1 1 2 2	and the	39	734
215	* * * * * * * * * * * * * * * * * * *	42	933	Yan in the same	of the section of the	42	780
P16	*	45	962			45	818
			·	10. 			

P17_

P18_

P19_

P20___

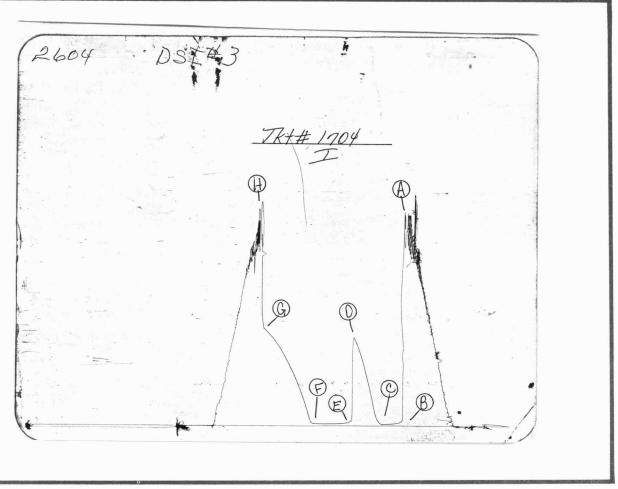
WTC - 4

continued next page

WESTERN TESTING CO., INC. Pressure Data

6/16/79 Date	<u> </u>				Test Ticket No	1704
Recorder No. 2604		W - W	Capacity 415	0	Location	4257
Clock No	Elevation 1		2 Kelly Bushing		Well Temperature	121
Point A Initial Hydrostatic Mud	2295	P.S.I.	Open Tool		Time Given	Time Computed
B First Initial Flow Pressure	67	P.S.I.	First Flow Pres	ssure	30 Min	20
C First Final Flow Pressure		P.S.I.	Initial Closed-in	and the last of the same	45 Min	A.E.
D Initial Closed-in Pressure		P.S.I.	Second Flow P	Y	60 Min	60
E Second Initial Flow Pressure		P.S.1.	Final Closed-in		60 Min	72
F Second Final Flow Pressure		P.S.I.	That Closed-in	Tressure	·	
G Final Closed-in Pressure	1005					to a
H Final Hydrostatic Mud	03.66					
	in the second		DEAKDOWN	Tarber Li		
First Flow Pressure Breakdown: 6 Inc.	Initial S. Breakdown:	hut-In 15 Inc.	Second Flow Pressure Breakdown: 12Inc.		Breakdov	nal Shut-In
of 5 mins. and a		ins. and a	of 5			mins. and a
final inc. of 0 Min.	final inc. of	U Min.	final inc. of.	0 Min.		of 0 Min.
Mins. Press.	Minutes	Press.	Minutes	Press.	Point Minutes 63	Press. 998
P 2					66	1023
Р 3	1,1	<u> </u>	* *		69	1048
P 4		The Minds of the sold	tida da e e e	e e primera	72	1065
P 5				44 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- 3	
P 6	-					
P 7	-		-	E E		
P 8		41.1			n , n 2	né*je
P 9					-	
P10						
P11						
P12		V	# 10 /	•		•••
P13		-				je <u>* 150 ja</u>
P14		(Martin Lit				
P15	in the electric			Passil Q"U F		
P16		lanan e		Ki in a	b 1	
P17				1		
P18						
P19		of contin		The house	n E ruge att governing	
P20	have be too all	A different College	an Ka <u>rentaran ba</u>			N. G. Harris
					after a character	of the state of th

TWP.



This is an actual photograph of recorder chart.

		PRESSURE					
POINT		Field Reading					
(A)	Initial Hydrostatic Mud	2316	2295	PS1			
(B)	First Initial Flow Pressure	53	67	PS1			
(C)	First Final Flow Pressure	21	17	PSI			
(D)	Initial Closed-in Pressure	951	962	PSI			
(E)	Second Initial Flow Pressure	53	72	PSI			
(F)	Second Final Flow Pressure	31	27	PSI			
(G)	Final Closed-in Pressure	1056	1065	PSI			
	Final Hydrostatic Mud	2105	2165	PSI			