

22779-00-00

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

API NO. 15- 065-2277000000
County Graham
W/2-W/2-NE-4 Sec. 31 Twp. 27^S Rge. 24^E

Operator: License # 31668

3935' Feet from (S) Line of Section

Name: H & H INVESTMENTS

2310' Feet from (E) Line of Section

Address P.O. Box 1433

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

City/State/Zip _____

Lease Name Cummings 1-B Well # 1

Purchaser: N/A

Field Name DRIPPING SPRINGS NE

Operator Contact Person: BERT W. HAYS

Producing Formation None

Phone (913) 625-6636

Elevation: Ground 2387 KB 2392

Contractor: Name: White & Ellis Drilling, Inc.

Total Depth 3930' PBDT _____

License: 5420

Amount of Surface Pipe Set and Cemented at 210' Feet

Wellsite Geologist: Kenneth Vehige

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion
 New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover/Reentry: Old Well Info as follows:

Drilling Fluid Management Plan D&A JH 7-10-97
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content _____ ppm Fluid volume _____ bbls

Well Name: _____

Dewatering method used EVAPORATION

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____

County _____ Docket No. _____

11-9-96 11-17-96 11-17-96
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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.

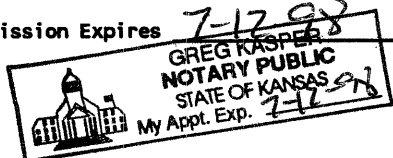
Signature Bert W. Hays

Title Operator Date 2/27/97

Subscribed and sworn to before me this 27 day of FEB, 1997.

Notary Public GREG KASPER

Date Commission Expires 7-12-98



K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

SIDE TWO

ORIGINAL

Operator Name H & H INVESTMENTS

Lease Name Cumming 1-B Well # 1

Sec. 31 Twp. 7S Rge. 24

East
 West

County Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval 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.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)

Log Formation (Top), Depth and Datums Sample
Name Lansing K.C. Top 3686 Datum -1294

List All E.Logs Run:
RA Guard Log (ATTACHED)

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

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
Surface	12 1/4"	8 5/8"	24#	210'	150	60/40 1oz	2% gel 4% CaCl ₂

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls. Gas N/A Mcf Water N/A Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, submit ACO-18.) Other (Specify)

15-065-22779-00-00

ALLIED CEMENTING CO., INC. 5652

PERMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
K

ORIGINAL

DATE <u>1-9-96</u>	SEC. <u>31</u>	TWP. <u>7S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION <u>1:00 PM</u>	JOB START <u>4:30</u>	JOB FINISH <u>4:45</u>
LEASE <u>Cummins</u> WELL # <u>1 B</u>		LOCATION <u>Mooreland 3W 2N 1/2 W 3/4 N</u>			COUNTY <u>Graham</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR White & Ellis

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 211

CASING SIZE 8 3/8 DEPTH 21 23"

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 10-15' 12 1/2 lbs

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED 150 60/40 49% cc 29 lb

COMMON	<u>90</u>	@	<u>610</u>	<u>549.00</u>
POZMIX	<u>60</u>	@	<u>315</u>	<u>189.00</u>
GEL	<u>3</u>	@	<u>950</u>	<u>28.50</u>
CHLORIDE	<u>6</u>	@	<u>28.00</u>	<u>168.00</u>
		@		
		@		
		@		
		@		
		@		
		@		

EQUIPMENT

PUMP TRUCK CEMENTER Mark

153 HELPER Paul

BULK TRUCK DRIVER Don

160

BULK TRUCK DRIVER

#

HANDLING	@	<u>105</u>	<u>157.50</u>
MILEAGE <u>73m</u>		<u>04</u>	<u>438.00</u>

TOTAL 1530.00

REMARKS:

Cement circulated

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>73m</u>	@	<u>285</u>	<u>208.05</u>
PLUG	@		<u>45.00</u>
	@		

RECEIVED
STATE CORPORATION COMMISSION
Feb 28, 1997
FEB 28 1997

TOTAL 698.05

CHARGE TO: H & H Investments

STREET P.O. Box 1493

CITY Hays STATE Kan ZIP 67601

CONSERVATION DIVISION
Wichita, Kansas
FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Lang Ward

15-065-22779-00-00

ALLIED CEMENTING CO., INC. 5658

10 P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: K

DATE <u>11-15-96</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
					<u>6:30</u>	<u>8:30</u>	<u>10:45</u>
LEASE <u>Crumming</u>		WELL # <u>1B</u>		LOCATION <u>Mooreland 2E 2N 21E 2K 2E</u>		COUNTY <u>Graham</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR <u>White & Ellis</u>	
TYPE OF JOB <u>PT</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>3930</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2090</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	

OWNER Same

CEMENT

AMOUNT ORDERED 190 6 1/2 6 7/8 gel 1/4 lb per

COMMON	<u>114</u>	@	<u>6 10</u>	<u>695 40</u>
POZMIX	<u>76</u>	@	<u>3 15</u>	<u>239 40</u>
GEL	<u>10</u>	@	<u>9 50</u>	<u>95 00</u>
CHLORIDE		@		
<u>Flasol</u>	<u>47 #</u>	@	<u>1 15</u>	<u>54 05</u>
		@		
		@		
		@		
		@		
HANDLING		@	<u>1 05</u>	<u>199 50</u>
MILEAGE	<u>44 / 5th / mile</u>			<u>551 00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Mark</u>
# <u>153</u>	HELPER <u>Paul</u>
BULK TRUCK	
# <u>160</u>	DRIVER <u>Jason</u>
BULK TRUCK	
#	DRIVER

TOTAL 1838 15

REMARKS:

<u>75 sy @ 2090</u>
<u>100 sy @ 1230</u>
<u>40 sy @ 260</u>
<u>10 sy @ 40</u>
<u>15 sy in RH</u>

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>445 00</u>
EXTRA FOOTAGE	@
MILEAGE	<u>73 @ 2 85</u> <u>208 05</u>
PLUG	<u>8 5/8 @</u> <u>23 00</u>
	@
	@
TOTAL	<u>676 05</u>

CHARGE TO: H & H Investments

STREET Box 433

CITY Ways STATE Kansas ZIP 67601

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Donald A. Dowd

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
FEB 20 1997
Feb 28 1997
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
10.0	0.0	0.0	0.0	110.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	40.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1543	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1543	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1810.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	20.00	20.00
INITIAL SHUT-IN	30.00		22.00
FINAL FLOW	10.00	22.00	22.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 1788.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2013.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	80.34	39.18
INITIAL SHUT-IN	30.00		45.79
FINAL FLOW	10.00	46.77	79.28

FINAL HYDROSTATIC PRESSURE: 2003.00

15-065-22779-00-00

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20971 DST 1

[Thursday: Nov. 14, 1996]
Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 0:16	0.0000	80.34
8	0	0: 1: 6	0.0140	80.39
17	0	0: 2:12	0.0321	72.03
26	0	0: 3:17	0.0502	65.53
35	0	0: 4:22	0.0683	59.98
44	0	0: 5:27	0.0864	56.30
53	0	0: 6:32	0.1044	53.56
62	0	0: 7:37	0.1225	49.88
71	0	0: 8:42	0.1405	47.14
80	0	0: 9:46	0.1585	46.27
89	0	0:10:51	0.1765	44.47
98	0	0:11:56	0.1945	43.60
107	0	0:13: 1	0.2125	42.73
116	0	0:14: 6	0.2305	42.80
125	0	0:15:11	0.2485	41.94
134	0	0:16:15	0.2665	41.07
143	0	0:17:20	0.2845	41.14
152	0	0:18:25	0.3025	40.28
161	0	0:19:30	0.3205	40.35
170	0	0:20:34	0.3385	40.42
179	0	0:21:39	0.3564	39.55
188	0	0:22:44	0.3744	39.62
197	0	0:23:49	0.3924	39.69
206	0	0:24:53	0.4104	38.83
215	0	0:25:58	0.4284	38.90
224	0	0:27: 3	0.4464	38.97
233	0	0:28: 8	0.4644	39.04
242	0	0:29:12	0.4823	39.11
251	0	0:30:17	0.5003	39.18
END FLOW 1				
START SHUTIN 1				
257	0	0:31: 0	0.5123	39.23
260	0	0:31:22	0.5183	39.26
269	0	0:32:27	0.5363	39.33
278	0	0:33:31	0.5543	39.40
287	0	0:34:36	0.5723	39.47
296	0	0:35:41	0.5903	39.54
305	0	0:36:46	0.6082	40.55
314	0	0:37:50	0.6262	40.62
323	0	0:38:55	0.6442	40.69
332	0	0:40: 0	0.6622	40.76
341	0	0:41: 4	0.6802	41.77
350	0	0:42: 9	0.6981	41.84
359	0	0:43:14	0.7161	41.91
368	0	0:44:19	0.7341	41.98
377	0	0:45:23	0.7521	42.99
386	0	0:46:28	0.7700	43.06
395	0	0:47:33	0.7880	43.14
404	0	0:48:38	0.8060	43.21
413	0	0:49:42	0.8240	44.22
422	0	0:50:47	0.8420	44.29
431	0	0:51:52	0.8600	44.36
440	0	0:52:57	0.8779	44.43
449	0	0:54: 1	0.8959	44.50

WESTERN TESTING CO., INC.

RECEIVED
STATE CORPORATION COMMISSION

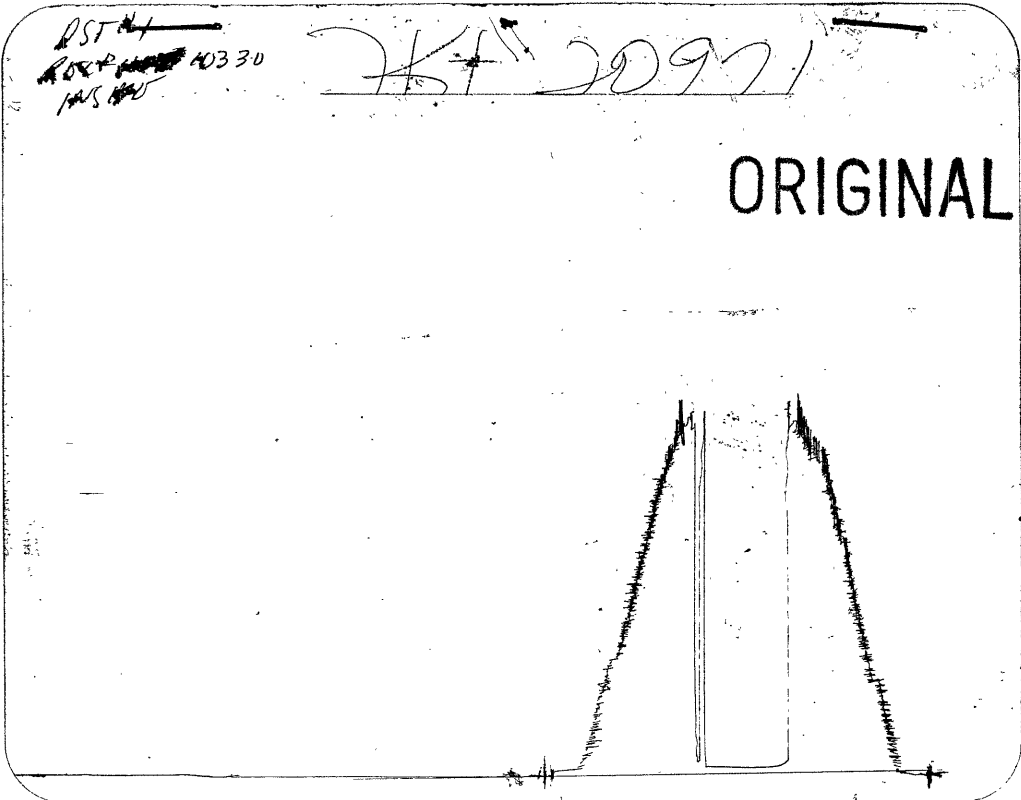
FEB 28 1997
Feb 28 1997
CONSERVATION DIVISION
Wichita, Kansas

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20971 DST 1

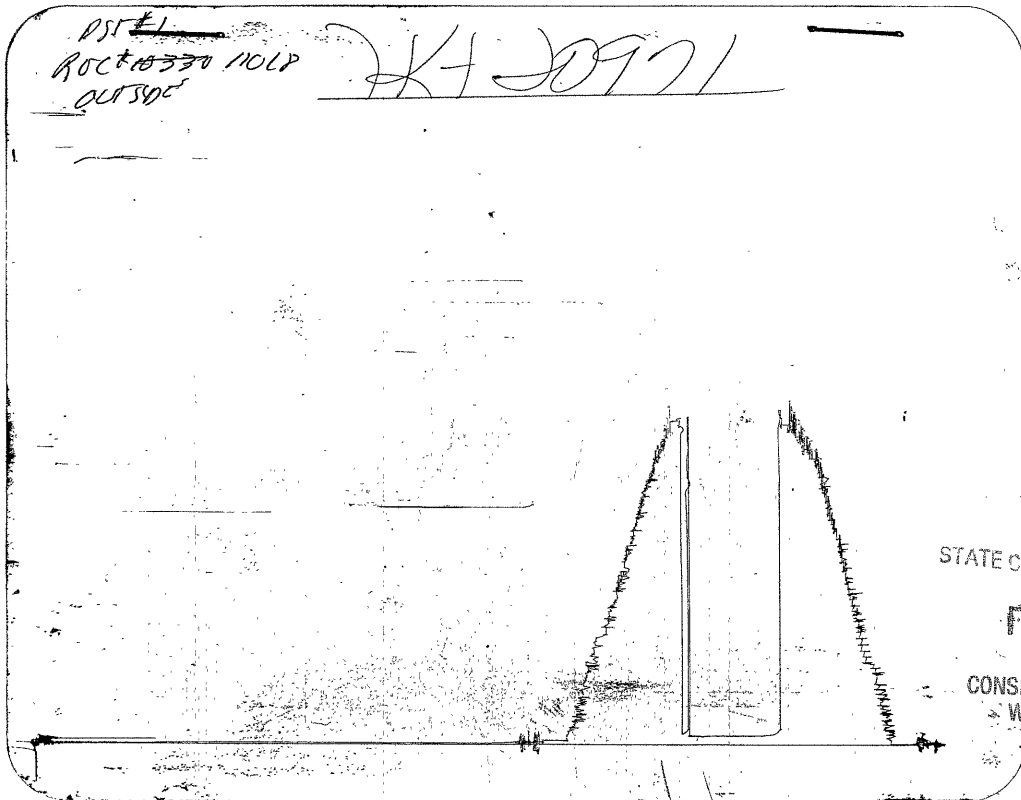
[Thursday: Nov. 14, 1996]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
458	0	0:55: 6	0.9139	44.57
467	0	0:56:11	0.9319	45.58
476	0	0:57:15	0.9499	45.65
485	0	0:58:20	0.9679	45.72
494	0	0:59:25	0.9858	45.79
		END SHUTIN 1		
		START FLOW 2		
499	0	1: 0: 1	0.9958	46.77
503	0	1: 0:30	1.0038	46.80
512	0	1: 1:34	1.0218	46.87
521	0	1: 2:39	1.0397	48.82
		FLUSHED TOOL		
525	0	1: 3: 5	1.0469	92.92
538	0	1: 4:12	1.0655	502.72
546	0	1: 5:20	1.0843	346.24
554	0	1: 6:23	1.1018	263.80
562	0	1: 7:24	1.1188	205.73
570	0	1: 8:29	1.1371	82.02
579	0	1: 9:34	1.1551	79.28

WESTERN TESTING CO., INC.



Inside Recorder



RECEIVED
 STATE CORPORATION COMMISSION
 FEB 28 1997
 Feb 28 1997
 CONSERVATION DIVISION
 Wichita, Kansas

Outside Recorder

15-065-22779-00-00

DST REPORT

GENERAL INFORMATION

DATE	: 11/14/96	TICKET	: 20972
CUSTOMER	: H & H INVESTMENTS	LEASE	: CUMMINGS
WELL	: #1-B	TEST:	2
ELEVATION	: 2392 KB	GEOLOGIST:	
SECTION	: 31	FORMATION:	L KANSAS CITY L
RANGE	: 24W	COUNTY:	GRAHAM
GAUGE SN#	: 10330	STATE	: KS
		RANGE	: 4000
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3858.00 ft TO: 3886.00 ft TVD: 3886.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 3861.0 ft 3883.0 ft
 TEMPERATURE: 110.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3836.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	22.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	28.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	3853.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3858.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. :	WHITE & ELLIS RIG 8	VISCOSITY :	48.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.800 cc
WEIGHT :	9.300 ppg	SERIAL NUMBER:	
CHLORIDES :	1100 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - SLOWLY BUILDING TO 1 INCH. FINAL FLOW PERIOD WEAK BLOW - SLOWLY BUILDING TO 3/4 INCHES.

RECEIVED
 STATE COLLECTOR'S OFFICE
 Feb 28, 1997
 FEB 26 1997

CONSERVATION DIVISION
 Wichita, Kansas

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
	Oil	Gas	Water	Mud	
70.0	5.0	0.0	15.0	80.0	OIL CUT WATERY MUD
0.0	0.0	0.0	0.0	0.0	2 FT FREE OIL IN TOP OF
0.0	0.0	0.0	0.0	0.0	FLUID
0.0	0.0	0.0	0.0	0.0	CHLORIDES 2000 PPM

RATE INFORMATION

OIL VOLUME:	0.0491	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	3.9274	STB/D
MUD VOLUME:	0.7855	STB	AVERAGE WATER RATE:	11.7821	STB/D
WATER VOLUME:	0.1473	STB			
TOTAL FLUID :	0.9818	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1850.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	20.00	24.00
INITIAL SHUT-IN	45.00		1210.00
FINAL FLOW	45.00	34.00	38.00
FINAL SHUT-IN	50.00		1190.00

FINAL HYDROSTATIC PRESSURE: 1821.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2066.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	71.26	32.82
INITIAL SHUT-IN	45.00		1309.23
FINAL FLOW	45.00	65.64	46.88
FINAL SHUT-IN	50.00		1278.30

FINAL HYDROSTATIC PRESSURE: 2003.00

15-065-22779-00-00

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20972 DST 2

[Thursday: Nov. 14, 1996]
Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

START FLOW 1				
1	0	12:15:22	0.0000	71.26
3	0	12:15:36	0.0040	75.95
8	0	12:16:12	0.0140	66.57
13	0	12:16:48	0.0240	59.07
18	0	12:17:24	0.0340	56.26
23	0	12:18:00	0.0440	53.45
28	0	12:18:36	0.0540	48.76
33	0	12:19:12	0.0639	46.88
38	0	12:19:48	0.0739	44.07
43	0	12:20:24	0.0839	42.19
48	0	12:21:00	0.0939	41.26
53	0	12:21:36	0.1039	39.38
58	0	12:22:12	0.1139	37.51
63	0	12:22:48	0.1239	36.57
68	0	12:23:24	0.1339	34.69
73	0	12:24:00	0.1439	33.76
78	0	12:24:36	0.1539	33.76
83	0	12:25:11	0.1639	32.82
88	0	12:25:47	0.1738	32.82
93	0	12:26:23	0.1838	31.88
98	0	12:26:59	0.1938	31.88
103	0	12:27:35	0.2038	31.88
108	0	12:28:11	0.2138	31.88
113	0	12:28:47	0.2238	31.88
118	0	12:29:23	0.2338	31.88
123	0	12:29:59	0.2438	30.94
128	0	12:30:35	0.2538	30.94
133	0	12:31:11	0.2638	30.01
138	0	12:31:47	0.2738	29.07
143	0	12:32:23	0.2838	29.07
148	0	12:32:59	0.2937	29.07
153	0	12:33:35	0.3037	29.07
158	0	12:34:11	0.3137	29.07
163	0	12:34:47	0.3237	29.07
168	0	12:35:23	0.3337	29.07
173	0	12:35:59	0.3437	28.13
178	0	12:36:35	0.3537	28.13
183	0	12:37:11	0.3637	28.13
188	0	12:37:47	0.3737	28.13
193	0	12:38:23	0.3837	28.13
198	0	12:38:59	0.3937	28.13
203	0	12:39:35	0.4037	28.13
208	0	12:40:11	0.4136	28.13
213	0	12:40:47	0.4236	28.13
218	0	12:41:23	0.4336	28.13
223	0	12:41:59	0.4436	28.13
228	0	12:42:35	0.4536	29.07
233	0	12:43:11	0.4636	29.07
238	0	12:43:47	0.4736	29.07
243	0	12:44:23	0.4836	29.07
248	0	12:44:58	0.4936	29.07
253	0	12:45:34	0.5036	29.07
258	0	12:46:10	0.5136	29.07
263	0	12:46:46	0.5236	29.07

WESTERN TESTING CO., INC.

RECEIVED
STATE CORPORATION COMMISSION
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Feb 28, 1997
CONSERVATION DIVISION
Wichita, Kansas

Company: H & H INVESTMENTS
 Well: #1-B CUMMINGS
 Field: TKT 20972 DST 2

[Thursday: Nov. 14, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
268	0	12:47:22	0.5336	29.07
273	0	12:47:58	0.5435	29.07
278	0	12:48:34	0.5535	29.07
283	0	12:49:10	0.5635	29.07
288	0	12:49:46	0.5735	29.07
293	0	12:50:22	0.5835	29.07
298	0	12:50:58	0.5935	29.07
303	0	12:51:34	0.6035	29.07
308	0	12:52:10	0.6135	29.07
313	0	12:52:46	0.6235	30.01
318	0	12:53:22	0.6335	30.01
323	0	12:53:58	0.6435	30.01
328	0	12:54:34	0.6535	30.01
333	0	12:55:10	0.6634	30.94
338	0	12:55:46	0.6734	30.94
343	0	12:56:22	0.6834	30.94
348	0	12:56:58	0.6934	30.94
353	0	12:57:34	0.7034	31.88
358	0	12:58:10	0.7134	32.82
		END FLOW 1		
		START SHUTIN 1		
363	0	12:58:46	0.7234	36.57
368	0	12:59:22	0.7334	50.63
373	0	12:59:58	0.7434	62.82
378	0	13: 0:34	0.7534	88.14
383	0	13: 1:10	0.7634	124.71
388	0	13: 1:46	0.7734	149.09
393	0	13: 2:22	0.7833	177.22
398	0	13: 2:58	0.7933	220.35
403	0	13: 3:34	0.8033	240.98
408	0	13: 4:10	0.8133	286.92
413	0	13: 4:46	0.8233	335.68
418	0	13: 5:21	0.8333	374.13
423	0	13: 5:57	0.8433	404.13
428	0	13: 6:33	0.8533	487.58
433	0	13: 7: 9	0.8633	573.46
438	0	13: 7:45	0.8733	642.54
443	0	13: 8:21	0.8833	710.70
448	0	13: 8:57	0.8932	791.75
453	0	13: 9:33	0.9032	843.33
458	0	13:10: 9	0.9132	879.25
463	0	13:10:45	0.9232	908.73
468	0	13:11:21	0.9332	959.38
473	0	13:11:57	0.9432	998.07
478	0	13:12:33	0.9532	1034.20
483	0	13:13: 9	0.9632	1050.91
488	0	13:13:45	0.9732	1070.98
493	0	13:14:21	0.9832	1089.37
498	0	13:14:57	0.9932	1103.58
503	0	13:15:33	1.0032	1113.61
508	0	13:16: 9	1.0131	1126.99
513	0	13:16:45	1.0231	1136.19
518	0	13:17:21	1.0331	1146.22
523	0	13:17:57	1.0431	1156.25

WESTERN TESTING CO., INC.

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Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20972 DST 2

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
528	0	13:18:33	1.0531	1163.77
533	0	13:19: 9	1.0631	1168.79
538	0	13:19:45	1.0731	1177.15
543	0	13:20:21	1.0831	1184.67
548	0	13:20:57	1.0931	1191.36
553	0	13:21:33	1.1031	1198.88
558	0	13:22: 9	1.1131	1203.90
563	0	13:22:45	1.1231	1210.59
568	0	13:23:21	1.1330	1216.44
573	0	13:23:57	1.1430	1221.46
578	0	13:24:33	1.1530	1226.47
583	0	13:25: 9	1.1630	1230.65
588	0	13:25:44	1.1730	1234.83
593	0	13:26:20	1.1830	1239.01
598	0	13:26:56	1.1930	1242.35
603	0	13:27:32	1.2030	1245.70
608	0	13:28: 8	1.2130	1249.88
613	0	13:28:44	1.2230	1252.39
618	0	13:29:20	1.2330	1255.73
623	0	13:29:56	1.2430	1259.91
628	0	13:30:32	1.2529	1263.25
633	0	13:31: 8	1.2629	1265.76
638	0	13:31:44	1.2729	1268.27
643	0	13:32:20	1.2829	1270.78
648	0	13:32:56	1.2929	1272.45
653	0	13:33:32	1.3029	1274.12
658	0	13:34: 8	1.3129	1277.47
663	0	13:34:44	1.3229	1279.14
668	0	13:35:20	1.3329	1281.65
673	0	13:35:56	1.3429	1284.15
678	0	13:36:32	1.3529	1286.66
683	0	13:37: 8	1.3629	1289.17
688	0	13:37:44	1.3728	1290.84
693	0	13:38:20	1.3828	1293.35
698	0	13:38:56	1.3928	1295.86
703	0	13:39:32	1.4028	1298.37
708	0	13:40: 8	1.4128	1300.87
713	0	13:40:44	1.4228	1302.55
718	0	13:41:20	1.4328	1305.05
723	0	13:41:56	1.4428	1306.73
728	0	13:42:32	1.4528	1308.40
733	0	13:43: 8	1.4628	1309.23
		END SHUTIN 1		
		START FLOW 2		
738	0	13:49:29	1.5687	65.64
743	0	13:50: 5	1.5787	63.76
748	0	13:50:41	1.5887	61.89
753	0	13:51:17	1.5987	59.07
758	0	13:51:53	1.6086	57.20
763	0	13:52:29	1.6186	56.26
768	0	13:53: 5	1.6286	55.32
773	0	13:53:41	1.6386	54.38
778	0	13:54:17	1.6486	53.45
783	0	13:54:53	1.6586	52.51
788	0	13:55:29	1.6686	50.63

WESTERN TESTING CO., INC.

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FEB 28 1997
CONSERVATION DIVISION
Wichita, Kansas

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20972 DST 2

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
793	0	13:56: 5	1.6786	49.70
798	0	13:56:41	1.6886	48.76
803	0	13:57:16	1.6986	48.76
808	0	13:57:52	1.7086	47.82
813	0	13:58:28	1.7186	46.88
818	0	13:59: 4	1.7285	45.95
823	0	13:59:40	1.7385	45.95
828	0	14: 0:16	1.7485	45.01
833	0	14: 0:52	1.7585	45.01
838	0	14: 1:28	1.7685	45.01
843	0	14: 2: 4	1.7785	45.01
848	0	14: 2:40	1.7885	45.01
853	0	14: 3:16	1.7985	44.07
858	0	14: 3:52	1.8085	44.07
863	0	14: 4:28	1.8185	44.07
868	0	14: 5: 4	1.8285	43.13
873	0	14: 5:40	1.8385	43.13
878	0	14: 6:16	1.8484	43.13
883	0	14: 6:52	1.8584	43.13
888	0	14: 7:28	1.8684	43.13
893	0	14: 8: 4	1.8784	42.19
898	0	14: 8:40	1.8884	42.19
903	0	14: 9:16	1.8984	42.19
908	0	14: 9:52	1.9084	42.19
913	0	14:10:28	1.9184	42.19
918	0	14:11: 4	1.9284	42.19
923	0	14:11:40	1.9384	42.19
928	0	14:12:16	1.9484	42.19
933	0	14:12:52	1.9584	42.19
938	0	14:13:28	1.9683	42.19
943	0	14:14: 4	1.9783	42.19
948	0	14:14:40	1.9883	42.19
953	0	14:15:16	1.9983	43.13
958	0	14:15:52	2.0083	43.13
963	0	14:16:28	2.0183	43.13
968	0	14:17: 3	2.0283	43.13
973	0	14:17:39	2.0383	43.13
978	0	14:18:15	2.0483	43.13
983	0	14:18:51	2.0583	43.13
988	0	14:19:27	2.0683	43.13
993	0	14:20: 3	2.0783	43.13
998	0	14:20:39	2.0882	43.13
1003	0	14:21:15	2.0982	43.13
1008	0	14:21:51	2.1082	44.07
1013	0	14:22:27	2.1182	44.07
1018	0	14:23: 3	2.1282	44.07
1023	0	14:23:39	2.1382	44.07
1028	0	14:24:15	2.1482	44.07
1033	0	14:24:51	2.1582	44.07
1038	0	14:25:27	2.1682	44.07
1043	0	14:26: 3	2.1782	44.07
1048	0	14:26:39	2.1882	44.07
1053	0	14:27:15	2.1982	44.07
1058	0	14:27:51	2.2081	44.07
1063	0	14:28:27	2.2181	45.01

WESTERN TESTING CO., INC.

15-065-22779-00-00

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20972 DST 2

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1068	0	14:29: 3	2.2281	45.01
1073	0	14:29:39	2.2381	45.01
1078	0	14:30:15	2.2481	45.01
1083	0	14:30:51	2.2581	45.95
1088	0	14:31:27	2.2681	46.88
END FLOW 2				
START SHUTIN 2				
1094	0	14:32:10	2.2801	50.63
1098	0	14:32:39	2.2881	54.38
1103	0	14:33:15	2.2981	60.95
1108	0	14:33:51	2.3081	86.26
1113	0	14:34:27	2.3181	105.02
1118	0	14:35: 3	2.3280	132.21
1123	0	14:35:39	2.3380	151.90
1128	0	14:36:15	2.3480	187.53
1133	0	14:36:51	2.3580	210.04
1138	0	14:37:26	2.3680	238.16
1143	0	14:38: 2	2.3780	274.73
1148	0	14:38:38	2.3880	338.49
1153	0	14:39:14	2.3980	359.12
1158	0	14:39:50	2.4080	429.45
1163	0	14:40:26	2.4180	512.67
1168	0	14:41: 2	2.4280	568.85
1173	0	14:41:38	2.4380	649.91
1178	0	14:42:14	2.4480	716.22
1183	0	14:42:50	2.4579	779.78
1188	0	14:43:26	2.4679	797.28
1193	0	14:44: 2	2.4779	859.91
1198	0	14:44:38	2.4879	901.36
1203	0	14:45:14	2.4979	921.62
1208	0	14:45:50	2.5079	971.36
1213	0	14:46:26	2.5179	987.94
1218	0	14:47: 2	2.5279	1009.12
1223	0	14:47:38	2.5379	1021.66
1228	0	14:48:14	2.5479	1040.05
1233	0	14:48:50	2.5579	1058.44
1238	0	14:49:26	2.5679	1074.32
1243	0	14:50: 2	2.5778	1084.35
1248	0	14:50:38	2.5878	1093.55
1253	0	14:51:14	2.5978	1101.91
1258	0	14:51:50	2.6078	1111.94
1263	0	14:52:26	2.6178	1119.47
1268	0	14:53: 2	2.6278	1126.99
1273	0	14:53:38	2.6378	1136.19
1278	0	14:54:14	2.6478	1142.87
1283	0	14:54:50	2.6578	1149.56
1288	0	14:55:26	2.6678	1156.25
1293	0	14:56: 2	2.6778	1162.10
1298	0	14:56:38	2.6878	1167.12
1303	0	14:57:13	2.6977	1171.30
1308	0	14:57:49	2.7077	1176.31
1313	0	14:58:25	2.7177	1181.33
1318	0	14:59: 1	2.7277	1185.51
1323	0	14:59:37	2.7377	1190.52

WESTERN TESTING CO., INC.

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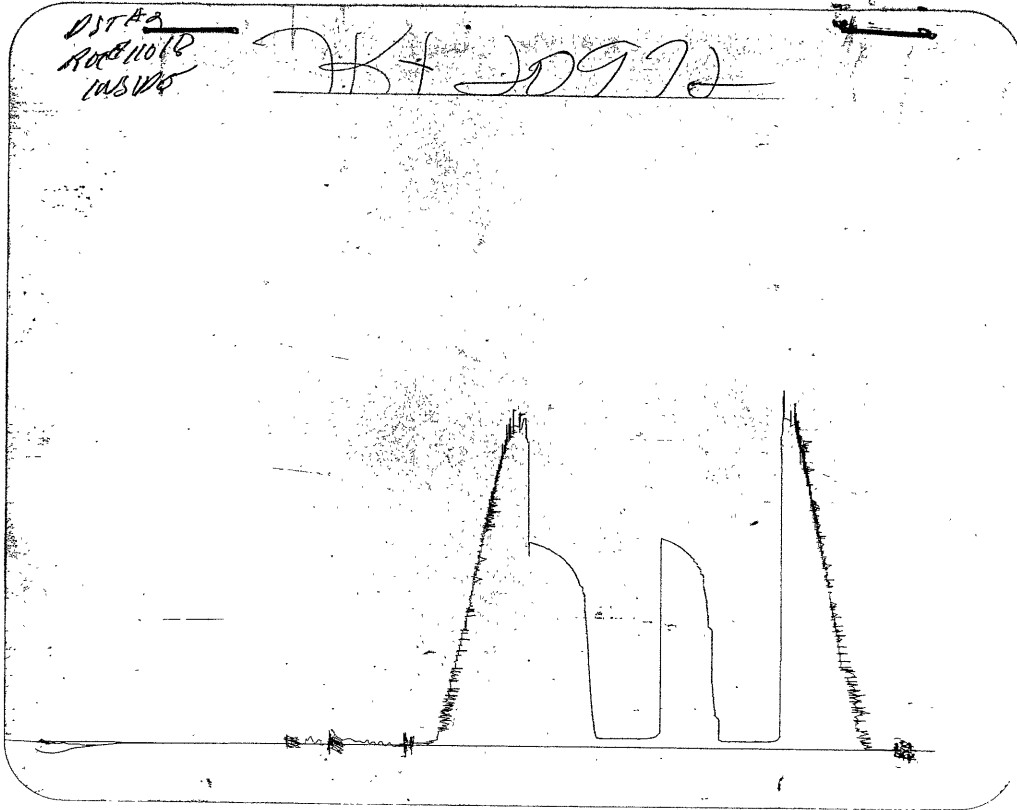
FEB 28 1997
Feb 28-1997
CONSERVATION DIVISION
Wichita, Kansas

Company: H & H INVESTMENTS
Well: #1-B CUMMINGS
Field: TKT 20972 DST 2

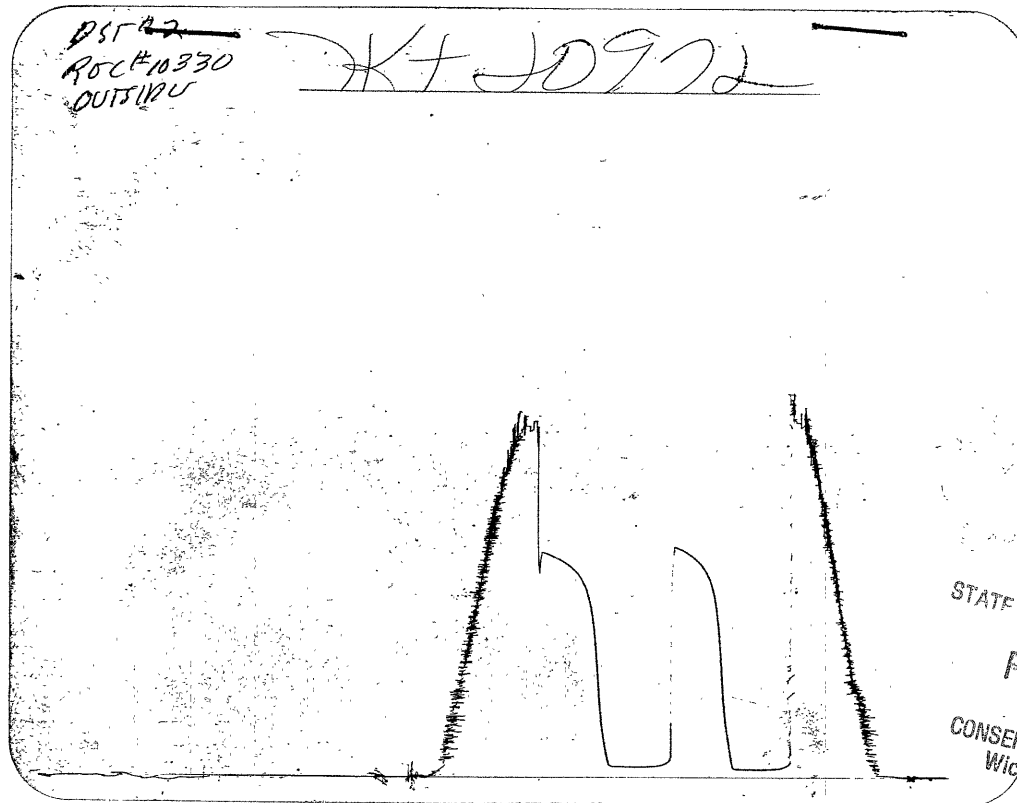
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1328	0	15: 0:13	2.7477	1193.03
1333	0	15: 0:49	2.7577	1197.21
1338	0	15: 1:25	2.7677	1200.56
1343	0	15: 2: 1	2.7777	1204.74
1348	0	15: 2:37	2.7877	1208.08
1353	0	15: 3:13	2.7977	1211.42
1358	0	15: 3:49	2.8077	1214.77
1363	0	15: 4:25	2.8176	1217.28
1368	0	15: 5: 1	2.8276	1219.78
1373	0	15: 5:37	2.8376	1222.29
1378	0	15: 6:13	2.8476	1225.64
1383	0	15: 6:49	2.8576	1228.14
1388	0	15: 7:25	2.8676	1230.65
1393	0	15: 8: 1	2.8776	1233.16
1398	0	15: 8:37	2.8876	1235.67
1403	0	15: 9:13	2.8976	1237.34
1408	0	15: 9:49	2.9076	1240.68
1413	0	15:10:25	2.9176	1242.35
1418	0	15:11: 1	2.9276	1244.86
1423	0	15:11:37	2.9376	1246.53
1428	0	15:12:13	2.9475	1248.21
1433	0	15:12:49	2.9575	1249.88
1438	0	15:13:25	2.9675	1252.39
1443	0	15:14: 1	2.9775	1254.06
1448	0	15:14:37	2.9875	1255.73
1453	0	15:15:13	2.9975	1258.24
1458	0	15:15:49	3.0075	1260.75
1463	0	15:16:25	3.0175	1262.42
1468	0	15:17: 0	3.0275	1264.09
1473	0	15:17:36	3.0375	1265.76
1478	0	15:18:12	3.0475	1267.43
1483	0	15:18:48	3.0575	1269.11
1488	0	15:19:24	3.0674	1270.78
1493	0	15:20: 0	3.0774	1272.45
1498	0	15:20:36	3.0874	1273.29
1503	0	15:21:12	3.0974	1274.96
1508	0	15:21:48	3.1074	1275.79
1513	0	15:22:24	3.1174	1277.47
1518	0	15:23: 0	3.1274	1278.30

WESTERN TESTING CO., INC.



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