

FORM MUST BE TYPED

CONFIDENTIAL

SIDE ONE

ORIGINAL

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

API NO. 15- 137-204020000
County Norton
- SW - SW Sec. 16 Twp. 2S Rge. 25 X E
660 Feet from S (circle one) Line of Section
660 Feet from E (circle one) Line of Section

Operator: License # 5144

Name: Mull Drilling Company, Inc.

Address P.O. Box 2758

City/State/Zip Wichita KS 67201-2758

Purchaser: N/A

Operator Contact Person: Scott E. Hampel

Phone (316) 264-6366 ext. 12

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Bill Stout

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover/Re-Entry: old well logs follows:

Operator: _____

Well Name: _____

Comp. Date _____ Depth _____

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

12-19-96 12-30-96 12-30-96
Spud Date Date Reached TD Completion Date

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

Lease Name Breiner Well # 1

Field Name Wildcat

Producing Formation None

Elevation: Ground 2578' KB 2583'

Total Depth 3925' PBSD _____

Amount of Surface Pipe Set and Cemented at 353 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 353'

feet depth to Surface w/ 200 sx cmt.

Drilling Fluid Management Plan D&A JKH 3-17-98
(Data must be collected from the Reserv Pit)

Chloride content 1,200 ppm Fluid volume 900 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name MCC

Lease Name JAN 24 License No. _____

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

County _____ Docket No. _____

RELEASED
APR 6 1998 4-698

FROM CONFIDENTIAL

44-6-10

CONFIDENTIAL

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Scott E. Hampel Scott E. Hampel

Title Vice President Prod & Eng. Date 1/24/97

Subscribed and sworn to before me this 24th day of January 19 97.

Notary Public Tannis L. Tritt

Date Commission Expires _____

TANNIS L. TRITT
Notary Public - State of Kansas
My Appt. Expires 3.26.99

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

SIDE TWO

Operator Name Mull Drilling Company, Inc. Lease Name Breiner Well # 1
 Sec. 16 Twp. 2S Rge. 25 East County Norton
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2107	(+ 476)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Howard	3260	(- 677)
List All E.Logs Run: <u>Western Atlas</u>		Topeka	3348	(- 765)
<u>DIFL-GR-SP</u>		Heebner	3465	(- 882)
<u>ZDen-PE-CN-GR-CAL</u>		Toronto	3497	(- 914)
<u>Minilog-GR-CAL</u>		Lansing	3509	(- 926)
		BKC	3702	(-1119)
		Arbuckle	3848	(-1265)
		Reagan	3854	(-1271)
		Granite Wash	3860	(-1277)
		Granite	3883	(-1299)
		TD	3926	(-1343)

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	20#	353	60/40 Poz	200	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: P&A	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		60/40 Poz	190	6% gel w/1/4# floseal/sk

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
	N/A				

TUBING RECORD

Size N/A Set At _____ Packer At _____ Liner Run Yes No

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

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

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ALLIED CEMENTING CO., INC.

5165

ATTN: Tannis

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

ORIGINAL

SERVICE POINT:

Oakley

DATE 12-30-96	SEC. 16	TWP. 2	RANGE 25	CALLED OUT	ON LOCATION 3:30 PM	JOB START 4:00 PM	JOB FINISH 6:30 PM
LEASE Breiner	WELL.# 1	LOCATION Norcatur LE-3N-E.S			COUNTY Norton	STATE Kan	

OLD OR NEW (Circle one)

CONTRACTOR Abarcrombie RTD #8

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3925'

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

OWNER CONFIDENTIAL Same

CEMENT

AMOUNT ORDERED 190 SKS 6 3/4 per
6% Cal, 1/4" Flo-Seal

COMMON	114 SKS	@	7 ²⁰	820 ⁸⁰
POZMIX	26 SKS	@	3 ¹⁵	239 ⁴⁰
GEL	10 SKS	@	9 ⁵⁰	95 ⁰⁰
CHLORIDE		@		
Flo-Seal	48#	@	1 ¹⁵	55 ²⁰
		@		
		@		
		@		
		@		
HANDLING	190 SKS	@	1 ⁰⁵	199 ⁵⁰
MILEAGE	4¢ per SK/mile			554 ⁰⁰

EQUIPMENT

PUMP TRUCK	CEMENTER	Walt
# 102	HELPER	Walt
BULK TRUCK		
# 212	DRIVER	Wayne
BULK TRUCK		
#	DRIVER	RELEASED

TOTAL 1,964⁷⁰

REMARKS: APR 6 1998

NOV
JAN 24
CONFIDENTIAL SERVICE

FROM CONFIDENTIAL

25 SKS @ 2130'
100 SKS @ 1375'
40 SKS @ 400'
10 SKS @ 40'
15 SKS in R.H.

DEPTH OF JOB	
PUMP TRUCK CHARGE	550 ⁰⁰
EXTRA FOOTAGE	@
MILEAGE 73-miles	@ 2 ⁸⁵ 208 ⁰⁵
PLUG 8 5/8 D-H	@ 23 ⁰⁰
	@
	@

CHARGE TO: Mull Dels Co

STREET Box 421

CITY Dover STATE Kansas ZIP 67560

TOTAL ~~281⁰⁵~~
281.05

FLOAT EQUIPMENT

	@
	@
	@
	@
	@

TOTAL 2745.75

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 2745.75

DISCOUNT 411.86 IF PAID IN 30 DAYS

SIGNATURE Anthony Mart

CONFIDENTIAL

WILLIAM M. STOUT
3725 E. MURDOCK
WICHITA, KANSAS 67208
(316) 685-9160

ORIGINAL

RELEASED

APR 6 1998

GEOLOGICAL REPORT

RUC

JAN 24

FROM CONFIDENTIAL

Breiner #1
C SW SW Sec. 16-28-25W
Norton County, Kansas
2583 K.B. 2578 G.L.

CONFIDENTIAL

15-137-20402

OPERATOR: Mull Drilling Company

CONTRACTOR: Abercrombie Drilling Rig #8

COMMENCED: December 19, 1996

COMPLETED: December 30, 1996

SURFACE: 8 5/8" casing @ 353' with 200 sx cement.

PRODUCTION: None

SAMPLE DEPTH: 10' samples were examined from 3000' to 3925' RTD.

DRILLING TIME: 1' drilling time kept from 3000' to 3925' RTD.

ELECTRIC LOGS: Western Atlas High Resolution Dual Induction Focused Log Gamma Ray, Z-Densilog Compensated Neutron Gamma Ray Minilog - open hole.

ELECTRIC LOG FORMATION TOPS
(Kelly Bushing Elevation)

Anhydrite	2107 + 476
Howard	3260 - 677
Topeka	3348 - 765
Heebner	3465 - 882
Toronto	3497 - 914
Lansing	3509 - 926
Base Kansas City	3702 -1119
Arbuckle	3848 -1265
Reagan	3854 -1271
Granite Wash	3860 -1277
Granite	3882 -1299
R.T.D.	3925 -1342
L.T.D.	3926 -1343

2025 RELEASE UNDER E.O. 14176

SAMPLE DESCRIPTIONS
Electric Log Measurements

APR 6 1998

Toronto 3348'
3497' - 3500'

FROM CONFIDENTIAL

Limestone, light brown to white, fine crystalline, fossiliferous, slightly oolitic, chalky, some dense, no odor, slight show free oil - dark brown, scattered dark brown stain, dull fluorescence, scattered vugular porosity.
Covered by DST #1.

Lansing 3509'
3514' - 3516'

Limestone, light brown to white, fine crystalline, chalky, few fossils, no odor, brown stain some edge stain, very slight show free oil, dull fluorescence, scattered vugular porosity.
Covered by DST #1.

DST #1 3471' to 3520'. Open tool 30 min. with weak 1/2 inch blow. Close tool 45 min. Open tool 45 min. with weak surface blow. Close tool 90 min.
Recovered 20' mud.

IFP 26-26#	FFP 26-26#
ISIP 1170#	FSIP 1202#
HP 1720-1699#	

3536' - 3540'

Limestone, light brown, fine crystalline, fossiliferous, slightly oolitic, fair odor, scattered brown stain some saturated, show free oil, few gas bubbles, good fluorescence, fair intercrystalline porosity, trace interoolitic porosity.
Covered by DST #2.

3548' - 3551'

Limestone, light brown to white trace light green, fine crystalline, fossiliferous, chalky in part, some dense, good odor, scattered brown stain some saturated, some black stain, fair to good show free oil - brown, dull fluorescence, scattered vugular and intercrystalline porosity.
Covered by DST #2.

DST #2 3525' to 3555'. Open tool 30 min. with weak 1 inch blow. Close tool 45 min. Open tool 45 min. with weak surface blow. Close tool 90 min.
Recovered 2' oil, 15' oil cut mud (50% oil, 50% mud)

IFP 26-26#	FFP 26-26#
ISIP 52#	FSIP 62#
HP 1730-1730#	

3613' - 3619'

Limestone, light brown, fine crystalline, fossiliferous, oolitic, faint odor, scattered brown stain some saturated, show free oil, dull fluorescence, scattered good interoolitic porosity, trace intercrystalline porosity.
Covered by DST #3.

DST #3 3604' to 3633'. Open tool 30 min. with weak 1/4 inch blow. Close tool 45 min. Open tool 30 min. with no blow. Close tool 45 min. Recovered 1' oil, 15' oil cut mud (50% oil, 50% mud).

IFP 52-52#
ISIP 135#
HP 1843-1792#

FFP 52-52#
FSIP 73#

3650' - 3654' Limestone, light brown to brown, fine crystalline, fossiliferous, chalky, some dense, fair odor, scattered dark brown stain some saturated, fair to good show free oil, good dull fluorescence, scattered intercrystalline and vugular porosity. Covered by DST #4.

DST #4 3634' to 3665'. Open tool 20 min. with weak blow died in 15 min. Close tool 30 min. Open tool 30 min. with no blow. Close tool 30 min. Recovered 2' mud.

IFP 20-20#
ISIP 20#
HP 1812-1750#

FFP 20-20#
FSIP 20#

The hole was structurally high with good sample shows. The decision was made to plug as a dry hole because all shows were drill stem tested with poor fluid recoveries and the electric log characteristics are tight.

Respectfully Submitted,

Bill Stout

William M. Stout
Geologist

RELEASED

APR 6 1998

FROM CONFIDENTIAL

2025 RELEASE UNDER E.O. 14176

RELEASED

CONFIDENTIAL

ORIGINAL

DST REPORT

APR 6 1998

FROM CONFIDENTIAL
GENERAL INFORMATION

DATE : 12/26/96
CUSTOMER : MULL DRILLING COMPANY
WELL : #1 TEST: 1
ELEVATION: 2583 K.B.
SECTION : 16
RANGE : 25W COUNTY: NORTON
GAUGE SN#: 13551 RANGE : 4150

TICKET : 21753
LEASE : BREINER
GEOLOGIST: BILL STOUT
FORMATION: TORONTO-LANSING
TOWNSHIP : 2S
STATE : KS
CLOCK : 12

15-137-20402

KU
JAN 24

WELL INFORMATION

CONFIDENTIAL

PERFORATION INTERVAL FROM: 3471.00 ft TO: 3520.00 ft TVD: 3520.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3474.0 ft 3477.0 ft
TEMPERATURE: 112.0

DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 600.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 2848.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 49.0 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: 3466.0 ft SIZE: 6.750 in
PACKER DEPTH: 3471.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL VISCOSITY : 44.00 cp
WEIGHT : 8.900 ppg WATER LOSS: 8.800 cc
CHLORIDES : 1000 ppm
JARS-MAKE : NO SERIAL NUMBER:
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW .50" IN WATER ON INITIAL FLOW PERIOD.
WEAK SURFACE BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
Oil	Gas	Water	Mud		
20.0	0.0	0.0	0.0	100.0	MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 1000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1989	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1989	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1720.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	26.00	26.00
INITIAL SHUT-IN	45.00		1170.00
FINAL FLOW	45.00	26.00	26.00
FINAL SHUT-IN	90.00		1202.00

FINAL HYDROSTATIC PRESSURE: 1699.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1722.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	63.98	28.08
INITIAL SHUT-IN	45.00		1168.88
FINAL FLOW	45.00	79.04	27.81
FINAL SHUT-IN	90.00		1212.99

FINAL HYDROSTATIC PRESSURE: 1700.00

Company: MULL DRILLING CO.
 Well: BREINER #1 DST #1
 Field: TKT #21753

[Thursday: Dec. 26, 1996]
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 0:54	0.0000	63.98
6	0	0: 1:30	0.0099	59.60
11	0	0: 2: 5	0.0198	53.47
16	0	0: 2:41	0.0297	48.21
21	0	0: 3:17	0.0396	44.69
26	0	0: 3:52	0.0496	42.05
31	0	0: 4:28	0.0595	40.28
36	0	0: 5: 4	0.0695	38.50
41	0	0: 5:40	0.0795	36.73
46	0	0: 6:16	0.0894	34.95
51	0	0: 6:52	0.0994	33.18
56	0	0: 7:28	0.1094	31.40
61	0	0: 8: 3	0.1193	30.50
66	0	0: 8:39	0.1293	29.60
71	0	0: 9:15	0.1393	27.82
76	0	0: 9:51	0.1493	26.92
81	0	0:10:27	0.1592	26.02
86	0	0:11: 3	0.1692	25.98
91	0	0:11:39	0.1792	25.08
96	0	0:12:15	0.1892	25.05
101	0	0:12:51	0.1992	25.02
106	0	0:13:27	0.2092	24.98
111	0	0:14: 3	0.2191	24.08
116	0	0:14:39	0.2291	23.18
121	0	0:15:15	0.2391	23.14
126	0	0:15:51	0.2491	23.11
131	0	0:16:27	0.2591	22.21
136	0	0:17: 3	0.2691	22.18
141	0	0:17:39	0.2791	22.14
146	0	0:18:14	0.2890	22.11
151	0	0:18:50	0.2990	22.08
156	0	0:19:26	0.3090	22.05
161	0	0:20: 2	0.3190	22.01
166	0	0:20:38	0.3290	21.98
171	0	0:21:14	0.3390	21.95
176	0	0:21:50	0.3490	21.92
181	0	0:22:26	0.3590	21.89
186	0	0:23: 2	0.3690	21.85
191	0	0:23:38	0.3790	21.82
196	0	0:24:14	0.3890	21.79
201	0	0:24:50	0.3990	22.63
206	0	0:25:26	0.4090	22.59
211	0	0:26: 2	0.4189	22.56
216	0	0:26:38	0.4289	22.53
221	0	0:27:14	0.4389	22.50
226	0	0:27:50	0.4489	22.46
231	0	0:28:26	0.4589	22.43
236	0	0:29: 2	0.4689	22.40
241	0	0:29:38	0.4789	22.37
246	0	0:30:14	0.4889	22.34
251	0	0:30:50	0.4989	22.30
256	0	0:31:26	0.5089	22.27
261	0	0:32: 2	0.5189	22.24
266	0	0:32:38	0.5289	23.08

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #1
Field: TKT #21753

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
271	0	0:33:14	0.5389	23.04
276	0	0:33:50	0.5489	23.01
281	0	0:34:26	0.5588	22.98
286	0	0:35: 2	0.5688	22.95
291	0	0:35:38	0.5788	23.79
296	0	0:36:14	0.5889	25.50
301	0	0:36:50	0.5989	28.08
END FLOW 1				
START SHUTIN 1				
303	0	0:37: 4	0.6029	29.80
306	0	0:37:26	0.6090	32.40
311	0	0:38: 3	0.6192	46.30
316	0	0:38:41	0.6296	73.27
320	0	0:39:11	0.6382	104.60
324	0	0:39:42	0.6467	135.92
328	0	0:40:13	0.6553	171.61
332	0	0:40:44	0.6640	210.77
336	0	0:41:15	0.6724	238.62
340	0	0:41:46	0.6812	286.49
344	0	0:42:17	0.6898	322.17
348	0	0:42:49	0.6985	362.21
352	0	0:43:19	0.7071	394.41
356	0	0:43:50	0.7156	425.74
360	0	0:44:21	0.7241	455.32
364	0	0:44:52	0.7327	493.62
368	0	0:45:22	0.7411	516.24
372	0	0:45:52	0.7496	544.08
376	0	0:46:23	0.7582	578.02
380	0	0:46:53	0.7665	598.03
384	0	0:47:24	0.7749	622.39
388	0	0:47:54	0.7833	648.49
393	0	0:48:31	0.7938	674.59
397	0	0:49: 2	0.8021	696.33
401	0	0:49:32	0.8105	717.21
406	0	0:50: 9	0.8209	739.82
410	0	0:50:39	0.8292	760.70
415	0	0:51:16	0.8396	783.31
420	0	0:51:54	0.8500	805.05
425	0	0:52:31	0.8604	828.54
430	0	0:53: 8	0.8707	848.54
435	0	0:53:46	0.8810	867.66
440	0	0:54:22	0.8913	882.44
445	0	0:54:59	0.9015	899.82
450	0	0:55:36	0.9118	913.73
455	0	0:56:13	0.9220	930.24
460	0	0:56:50	0.9323	945.02
465	0	0:57:27	0.9425	958.05
470	0	0:58: 4	0.9527	971.08
475	0	0:58:40	0.9629	982.37
480	0	0:59:17	0.9731	996.27
485	0	0:59:54	0.9833	1007.53
490	0	1: 0:30	0.9935	1017.90
495	0	1: 1: 7	1.0036	1026.55
500	0	1: 1:43	1.0138	1036.05
505	0	1: 2:20	1.0239	1044.69

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
 Well: BREINER #1 DST #1
 Field: TKT #21753

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
510	0	1: 2:57	1.0341	1054.20
515	0	1: 3:33	1.0442	1062.84
520	0	1: 4:10	1.0544	1071.48
525	0	1: 4:46	1.0645	1079.26
530	0	1: 5:22	1.0746	1086.16
535	0	1: 5:59	1.0847	1093.07
540	0	1: 6:35	1.0948	1100.84
545	0	1: 7:12	1.1049	1106.88
550	0	1: 7:48	1.1150	1113.79
555	0	1: 8:24	1.1251	1118.96
560	0	1: 9: 1	1.1352	1124.13
565	0	1: 9:37	1.1453	1128.44
570	0	1:10:13	1.1553	1133.61
575	0	1:10:49	1.1654	1137.91
580	0	1:11:26	1.1755	1143.08
585	0	1:12: 2	1.1856	1148.26
590	0	1:12:38	1.1956	1152.56
595	0	1:13:14	1.2057	1156.86
600	0	1:13:51	1.2157	1160.30
605	0	1:14:27	1.2258	1163.74
610	0	1:15: 3	1.2358	1166.31
615	0	1:15:39	1.2459	1168.88
		END SHUTIN 1		
		START FLOW 2		
619	0	1:16:56	1.2672	79.04
624	0	1:17:31	1.2770	65.94
629	0	1:18: 7	1.2869	59.82
634	0	1:18:42	1.2968	55.43
639	0	1:19:18	1.3067	51.91
644	0	1:19:54	1.3167	48.40
649	0	1:20:30	1.3266	46.62
654	0	1:21: 6	1.3366	44.85
659	0	1:21:42	1.3466	43.07
664	0	1:22:17	1.3565	41.30
669	0	1:22:53	1.3665	39.53
674	0	1:23:29	1.3765	38.62
679	0	1:24: 5	1.3864	37.72
684	0	1:24:41	1.3964	36.82
689	0	1:25:17	1.4064	35.04
694	0	1:25:53	1.4164	34.14
699	0	1:26:29	1.4263	34.11
704	0	1:27: 5	1.4363	33.20
709	0	1:27:41	1.4463	32.30
714	0	1:28:16	1.4563	31.40
719	0	1:28:52	1.4663	30.49
724	0	1:29:28	1.4762	30.46
729	0	1:30: 4	1.4862	30.43
734	0	1:30:40	1.4962	29.52
739	0	1:31:16	1.5062	29.49
744	0	1:31:52	1.5162	29.46
749	0	1:32:28	1.5262	29.43
754	0	1:33: 4	1.5362	28.52
759	0	1:33:40	1.5462	28.49
764	0	1:34:16	1.5561	28.46
769	0	1:34:52	1.5661	28.43

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #1
Field: TKT #21753

[Thursday: Dec. 26, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
774	0	1:35:28	1.5761	28.39
779	0	1:36: 4	1.5861	28.36
784	0	1:36:40	1.5961	28.33
789	0	1:37:16	1.6061	28.30
794	0	1:37:52	1.6161	28.26
799	0	1:38:28	1.6261	27.36
804	0	1:39: 4	1.6361	27.33
809	0	1:39:40	1.6461	27.30
814	0	1:40:16	1.6560	27.26
819	0	1:40:52	1.6660	26.36
824	0	1:41:28	1.6760	26.33
829	0	1:42: 3	1.6860	26.30
834	0	1:42:39	1.6960	26.26
839	0	1:43:15	1.7060	26.23
844	0	1:43:51	1.7160	26.20
849	0	1:44:27	1.7260	26.17
854	0	1:45: 3	1.7360	26.13
859	0	1:45:39	1.7459	26.10
864	0	1:46:15	1.7559	26.07
869	0	1:46:51	1.7659	26.04
874	0	1:47:27	1.7759	26.00
879	0	1:48: 3	1.7859	25.97
884	0	1:48:39	1.7959	25.94
889	0	1:49:15	1.8059	25.91
894	0	1:49:51	1.8159	25.88
899	0	1:50:27	1.8259	25.84
904	0	1:51: 3	1.8359	25.81
909	0	1:51:39	1.8459	25.78
914	0	1:52:15	1.8559	25.75
919	0	1:52:51	1.8658	25.71
924	0	1:53:27	1.8758	25.68
929	0	1:54: 3	1.8858	25.65
934	0	1:54:39	1.8958	25.62
939	0	1:55:15	1.9058	26.46
944	0	1:55:51	1.9158	26.42
949	0	1:56:27	1.9258	26.39
954	0	1:57: 3	1.9358	26.36
959	0	1:57:39	1.9458	26.33
964	0	1:58:15	1.9558	26.29
969	0	1:58:51	1.9658	26.26
974	0	1:59:27	1.9758	27.10
979	0	2: 0: 3	1.9858	27.07
984	0	2: 0:39	1.9958	27.03
989	0	2: 1:15	2.0057	27.00
994	0	2: 1:51	2.0157	26.97
999	0	2: 2:27	2.0257	27.81
		END FLOW 2		
		START SHUTIN 2		
1002	0	2: 2:48	2.0318	28.66
1004	0	2: 3: 3	2.0358	29.52
1009	0	2: 3:39	2.0458	32.10
1014	0	2: 4:15	2.0559	36.42
1019	0	2: 4:52	2.0661	51.19
1023	0	2: 5:22	2.0745	72.94
1028	0	2: 5:59	2.0849	97.30

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #1
Field: TKT #21753

[Thursday: Dec. 26, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1033	0	2: 6:37	2.0953	123.39
1037	0	2: 7: 8	2.1038	150.36
1041	0	2: 7:38	2.1122	175.60
1045	0	2: 8: 8	2.1207	204.31
1049	0	2: 8:39	2.1292	236.51
1053	0	2: 9:10	2.1377	262.61
1057	0	2: 9:40	2.1462	293.07
1061	0	2:10:11	2.1547	322.66
1065	0	2:10:41	2.1630	344.40
1069	0	2:11:11	2.1715	369.63
1073	0	2:11:42	2.1800	400.09
1077	0	2:12:12	2.1884	425.32
1081	0	2:12:43	2.1969	452.30
1085	0	2:13:13	2.2053	479.27
1089	0	2:13:43	2.2137	504.50
1093	0	2:14:13	2.2221	526.25
1097	0	2:14:44	2.2306	553.22
1101	0	2:15:14	2.2389	573.23
1105	0	2:15:44	2.2473	595.84
1110	0	2:16:21	2.2576	618.46
1115	0	2:16:59	2.2680	638.46
1120	0	2:17:36	2.2783	656.71
1125	0	2:18:13	2.2887	680.20
1130	0	2:18:50	2.2990	701.07
1134	0	2:19:20	2.3074	722.81
1139	0	2:19:58	2.3177	742.81
1144	0	2:20:35	2.3280	760.20
1149	0	2:21:12	2.3383	775.84
1154	0	2:21:49	2.3486	795.84
1159	0	2:22:26	2.3589	814.97
1164	0	2:23: 3	2.3691	828.00
1169	0	2:23:40	2.3794	841.91
1174	0	2:24:17	2.3897	860.16
1179	0	2:24:53	2.3999	873.19
1184	0	2:25:30	2.4101	886.23
1189	0	2:26: 7	2.4203	900.13
1194	0	2:26:44	2.4305	910.55
1199	0	2:27:20	2.4407	921.84
1204	0	2:27:57	2.4509	933.13
1209	0	2:28:34	2.4611	945.29
1214	0	2:29:10	2.4712	955.71
1219	0	2:29:47	2.4814	967.00
1224	0	2:30:24	2.4916	978.29
1229	0	2:31: 0	2.5018	988.71
1234	0	2:31:37	2.5119	999.12
1239	0	2:32:13	2.5221	1006.90
1244	0	2:32:50	2.5322	1014.68
1249	0	2:33:26	2.5423	1020.71
1254	0	2:34: 3	2.5524	1028.49
1259	0	2:34:39	2.5625	1034.53
1264	0	2:35:15	2.5726	1042.30
1269	0	2:35:52	2.5827	1048.34
1274	0	2:36:28	2.5928	1056.11
1279	0	2:37: 4	2.6029	1062.15
1284	0	2:37:41	2.6130	1068.19

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #1
Field: TKT #21753

[Thursday: Dec. 26, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1289	0	2:38:17	2.6231	1075.10
1294	0	2:38:54	2.6332	1081.14
1299	0	2:39:30	2.6433	1087.17
1304	0	2:40: 6	2.6534	1091.48
1309	0	2:40:42	2.6635	1096.65
1314	0	2:41:19	2.6736	1101.82
1319	0	2:41:55	2.6837	1107.86
1324	0	2:42:31	2.6937	1113.03
1329	0	2:43: 8	2.7038	1117.34
1334	0	2:43:44	2.7139	1121.64
1339	0	2:44:20	2.7239	1125.95
1344	0	2:44:56	2.7340	1130.25
1349	0	2:45:33	2.7441	1134.55
1354	0	2:46: 9	2.7541	1137.99
1359	0	2:46:45	2.7642	1141.43
1364	0	2:47:21	2.7742	1144.00
1369	0	2:47:57	2.7843	1147.44
1374	0	2:48:33	2.7943	1150.00
1379	0	2:49: 9	2.8043	1152.57
1384	0	2:49:46	2.8143	1154.28
1389	0	2:50:22	2.8244	1157.71
1394	0	2:50:58	2.8344	1159.42
1399	0	2:51:34	2.8445	1162.85
1404	0	2:52:10	2.8545	1164.56
1409	0	2:52:46	2.8645	1167.13
1414	0	2:53:22	2.8745	1168.83
1419	0	2:53:58	2.8846	1171.40
1424	0	2:54:34	2.8946	1173.10
1429	0	2:55:11	2.9046	1174.80
1434	0	2:55:47	2.9147	1177.37
1439	0	2:56:23	2.9247	1178.21
1444	0	2:56:59	2.9347	1179.91
1449	0	2:57:35	2.9447	1180.74
1454	0	2:58:11	2.9547	1182.45
1459	0	2:58:47	2.9647	1183.28
1464	0	2:59:23	2.9748	1184.98
1469	0	2:59:59	2.9848	1185.82
1474	0	3: 0:35	2.9948	1186.65
1479	0	3: 1:11	3.0048	1188.36
1484	0	3: 1:47	3.0148	1189.19
1489	0	3: 2:23	3.0248	1190.03
1494	0	3: 2:59	3.0348	1190.86
1499	0	3: 3:35	3.0448	1191.70
1504	0	3: 4:11	3.0548	1192.53
1509	0	3: 4:47	3.0648	1194.23
1514	0	3: 5:23	3.0748	1195.07
1519	0	3: 5:59	3.0848	1195.04
1524	0	3: 6:35	3.0948	1196.74
1529	0	3: 7:11	3.1048	1196.71
1534	0	3: 7:47	3.1149	1197.54
1539	0	3: 8:23	3.1249	1198.38
1544	0	3: 8:59	3.1349	1198.35
1549	0	3: 9:35	3.1448	1198.31
1554	0	3:10:11	3.1549	1199.15
1559	0	3:10:47	3.1648	1199.12

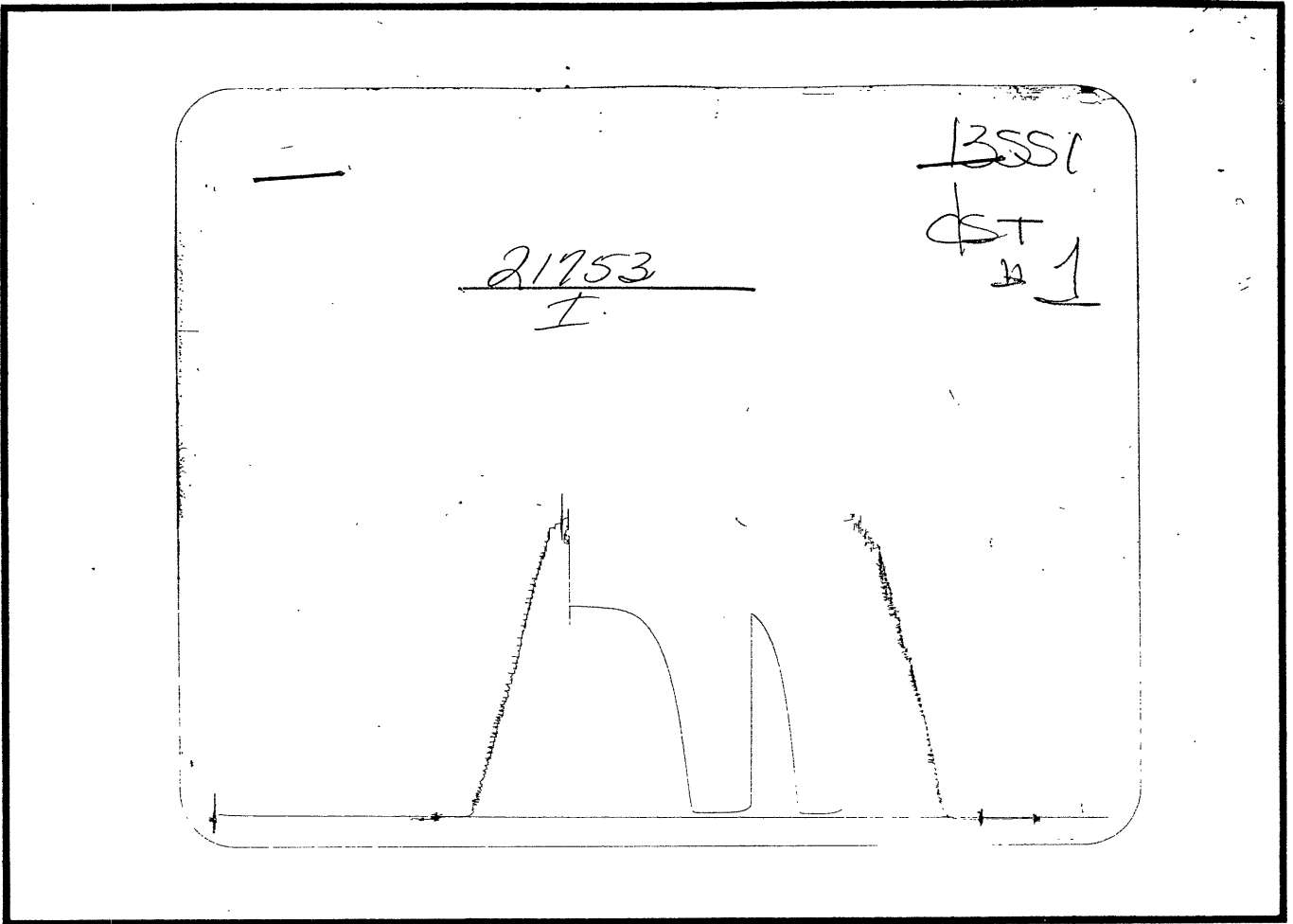
WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #1
Field: TKT #21753

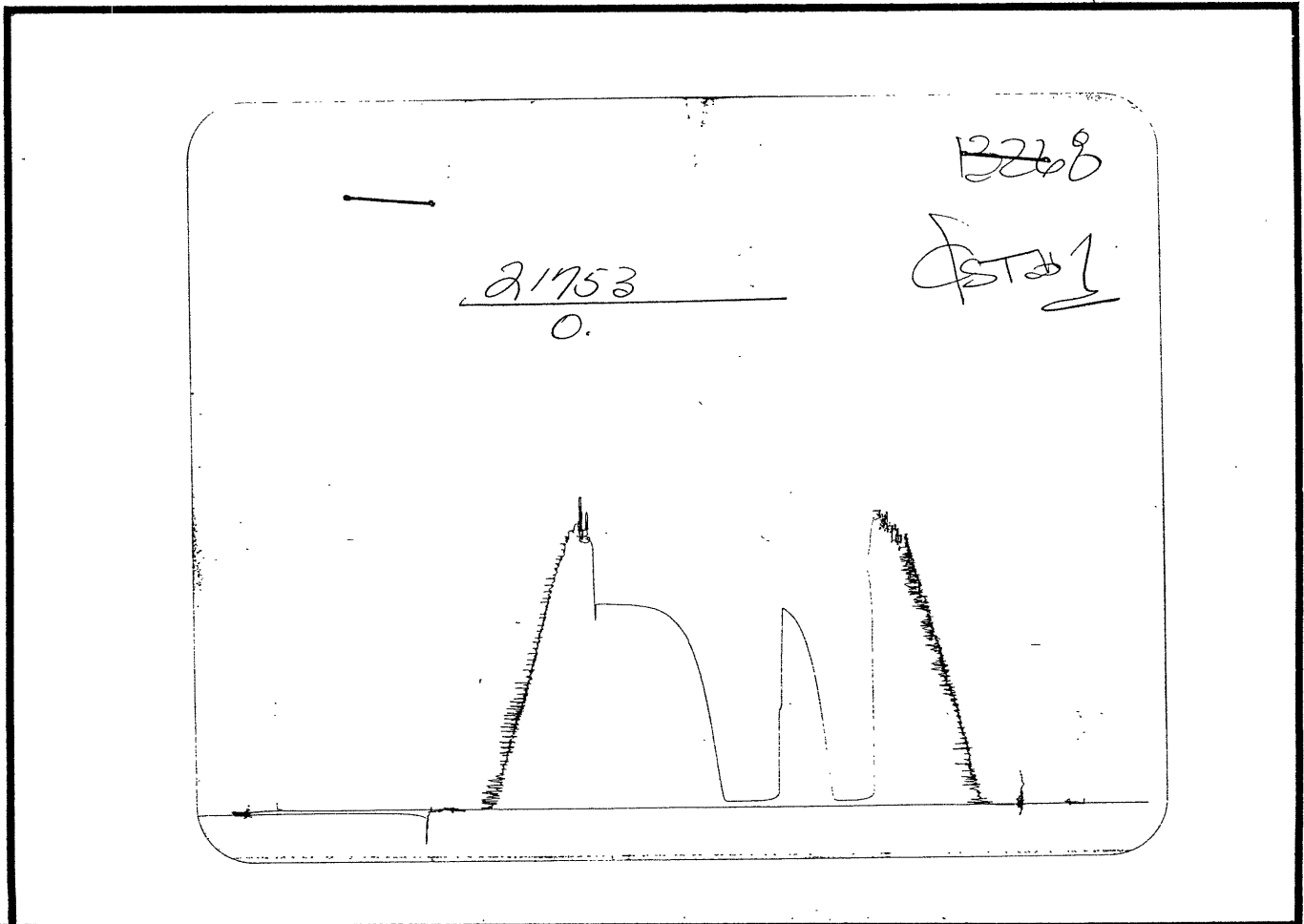
[Thursday: Dec. 26, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1564	0	3:11:23	3.1748	1199.95
1569	0	3:11:59	3.1848	1200.79
1574	0	3:12:35	3.1948	1200.75
1579	0	3:13:11	3.2048	1201.59
1584	0	3:13:47	3.2148	1201.56
1589	0	3:14:23	3.2248	1202.39
1594	0	3:14:59	3.2348	1202.36
1599	0	3:15:35	3.2448	1203.19
1604	0	3:16:11	3.2548	1203.16
1609	0	3:16:47	3.2648	1203.13
1614	0	3:17:23	3.2748	1203.10
1619	0	3:17:59	3.2848	1203.93
1624	0	3:18:35	3.2948	1204.77
1629	0	3:19:11	3.3048	1204.74
1634	0	3:19:47	3.3148	1205.57
1639	0	3:20:23	3.3248	1206.41
1644	0	3:20:59	3.3348	1206.37
1649	0	3:21:35	3.3448	1206.34
1654	0	3:22:11	3.3548	1206.31
1659	0	3:22:47	3.3648	1207.14
1664	0	3:23:23	3.3748	1207.11
1669	0	3:23:59	3.3848	1207.95
1674	0	3:24:35	3.3948	1207.92
1679	0	3:25:11	3.4048	1207.88
1684	0	3:25:47	3.4148	1208.72
1689	0	3:26:23	3.4248	1208.69
1694	0	3:26:59	3.4348	1208.65
1699	0	3:27:35	3.4448	1208.62
1704	0	3:28:11	3.4548	1208.59
1709	0	3:28:47	3.4648	1209.42
1714	0	3:29:23	3.4748	1209.39
1719	0	3:29:59	3.4848	1209.36
1724	0	3:30:35	3.4948	1209.33
1729	0	3:31:11	3.5047	1209.30
1734	0	3:31:47	3.5147	1210.13
1739	0	3:32:23	3.5247	1210.10
1744	0	3:32:59	3.5347	1210.93
1749	0	3:33:35	3.5447	1210.90
1754	0	3:34:11	3.5547	1211.74
1759	0	3:34:47	3.5647	1211.70
1764	0	3:35:23	3.5747	1211.67
1769	0	3:35:59	3.5847	1211.64
1774	0	3:36:35	3.5947	1211.61
1779	0	3:37:11	3.6047	1211.57
1784	0	3:37:47	3.6147	1211.54
1789	0	3:38:23	3.6247	1211.51
1794	0	3:38:59	3.6347	1211.48
1799	0	3:39:35	3.6447	1212.31
1804	0	3:40:11	3.6547	1212.28
1809	0	3:40:47	3.6647	1212.25
1814	0	3:41:23	3.6746	1212.22
1819	0	3:41:59	3.6846	1212.18
1824	0	3:42:35	3.6946	1212.15
1829	0	3:43:11	3.7046	1212.99

WESTERN TESTING CO., INC.



Inside Recorder



DST REPORT

GENERAL INFORMATION

DATE	: 12/27/96	TICKET	: 21754
CUSTOMER	: MULL DRILLING COMPANY	LEASE	: BREINER
WELL	: #1	TEST:	2
ELEVATION	: 2583 K.B.	GEOLOGIST	: BILL STOUT
SECTION	: 16	FORMATION	: LANSING
RANGE	: 25W	COUNTY	: NORTON
GAUGE SN#	: 13551	RANGE	: 4150
		STATE	: KS
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3525.00 ft TO: 3555.00 ft TVD: 3555.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3528.0 ft 3531.0 ft
TEMPERATURE: 112.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	600.0 ft	I.D.:	3.200 in
DRILL PIPE LENGTH :	2902.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	23.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	30.0 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:	3520.0 ft	SIZE:	6.750 in
PACKER DEPTH:	3525.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. :	ABERCROMBIE #8	VISCOSITY :	44.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.800 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	
CHLORIDES :	1000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	NO		
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK BLOW 1.0" IN WATER ON INITIAL FLOW PERIOD.
WEAK SURFACE BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2.0	100.0	0.0	0.0	0.0	OIL
15.0	50.0	0.0	0.0	50.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0945 STB	TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	3.2466 STB/D
MUD VOLUME:	0.0746 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1691 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1730.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	26.00	26.00
INITIAL SHUT-IN	45.00		52.00
FINAL FLOW	45.00	26.00	26.00
FINAL SHUT-IN	90.00		62.00

FINAL HYDROSTATIC PRESSURE: 1730.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1741.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.99	30.02
INITIAL SHUT-IN	45.00		66.66
FINAL FLOW	45.00	64.07	33.40
FINAL SHUT-IN	90.00		71.71

FINAL HYDROSTATIC PRESSURE: 1735.00

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 1:46	0.0000	86.99
6	0	0: 2:22	0.0101	76.55
11	0	0: 2:58	0.0201	67.85
16	0	0: 3:34	0.0301	63.51
21	0	0: 4:11	0.0401	59.16
26	0	0: 4:47	0.0501	55.69
31	0	0: 5:23	0.0601	53.09
36	0	0: 5:59	0.0702	50.49
41	0	0: 6:35	0.0802	48.75
46	0	0: 7:11	0.0902	46.15
51	0	0: 7:47	0.1002	44.42
56	0	0: 8:23	0.1102	42.69
61	0	0: 8:59	0.1202	41.83
66	0	0: 9:35	0.1302	40.10
71	0	0:10:11	0.1402	39.24
76	0	0:10:47	0.1502	38.38
81	0	0:11:23	0.1602	37.52
86	0	0:11:59	0.1701	36.66
91	0	0:12:35	0.1801	35.80
96	0	0:13:11	0.1901	35.81
101	0	0:13:47	0.2001	34.95
106	0	0:14:23	0.2101	34.09
111	0	0:14:58	0.2201	34.10
116	0	0:15:34	0.2301	33.24
121	0	0:16:10	0.2401	32.38
126	0	0:16:46	0.2501	31.52
131	0	0:17:22	0.2601	30.66
136	0	0:17:58	0.2701	30.67
141	0	0:18:34	0.2801	30.68
146	0	0:19:10	0.2901	30.69
151	0	0:19:46	0.3001	30.70
156	0	0:20:22	0.3101	30.71
161	0	0:20:58	0.3201	30.73
166	0	0:21:34	0.3300	30.74
171	0	0:22:10	0.3400	30.75
176	0	0:22:46	0.3500	30.76
181	0	0:23:22	0.3600	30.77
186	0	0:23:58	0.3700	30.78
191	0	0:24:34	0.3800	30.79
196	0	0:25:10	0.3900	29.93
201	0	0:25:46	0.4000	29.94
206	0	0:26:22	0.4100	29.95
211	0	0:26:58	0.4200	29.96
216	0	0:27:34	0.4300	29.97
221	0	0:28:10	0.4400	29.99
226	0	0:28:46	0.4499	30.00
231	0	0:29:22	0.4600	30.01
236	0	0:29:58	0.4699	30.02
END FLOW 1				
START SHUTIN 1				
240	0	0:30:27	0.4779	30.03
241	0	0:30:34	0.4799	30.03
246	0	0:31:10	0.4899	30.04
251	0	0:31:46	0.4999	30.05

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
256	0	0:32:22	0.5099	30.93
261	0	0:32:58	0.5199	30.94
266	0	0:33:34	0.5299	30.95
271	0	0:34:10	0.5399	30.97
276	0	0:34:46	0.5499	30.98
281	0	0:35:22	0.5599	30.99
286	0	0:35:58	0.5698	31.00
291	0	0:36:33	0.5798	31.01
296	0	0:37: 9	0.5898	31.02
301	0	0:37:45	0.5998	31.03
306	0	0:38:21	0.6098	31.04
311	0	0:38:57	0.6198	31.05
316	0	0:39:33	0.6298	31.93
321	0	0:40: 9	0.6398	31.95
326	0	0:40:45	0.6498	31.96
331	0	0:41:21	0.6598	31.97
336	0	0:41:57	0.6698	31.98
341	0	0:42:33	0.6797	31.99
346	0	0:43: 9	0.6897	32.00
351	0	0:43:45	0.6997	32.88
356	0	0:44:21	0.7097	32.89
361	0	0:44:57	0.7197	32.90
366	0	0:45:33	0.7297	32.91
371	0	0:46: 9	0.7397	32.93
376	0	0:46:45	0.7497	33.81
381	0	0:47:21	0.7597	33.82
386	0	0:47:57	0.7697	34.70
391	0	0:48:33	0.7796	34.71
396	0	0:49: 9	0.7896	34.72
401	0	0:49:45	0.7996	34.73
406	0	0:50:21	0.8096	35.61
411	0	0:50:57	0.8196	35.63
416	0	0:51:33	0.8296	36.51
421	0	0:52: 9	0.8396	36.52
426	0	0:52:45	0.8496	36.53
431	0	0:53:21	0.8596	37.41
436	0	0:53:56	0.8696	37.42
441	0	0:54:32	0.8795	37.43
446	0	0:55: 8	0.8895	37.44
451	0	0:55:44	0.8995	38.33
456	0	0:56:20	0.9095	39.21
461	0	0:56:56	0.9195	39.22
466	0	0:57:32	0.9295	40.10
471	0	0:58: 8	0.9395	40.11
476	0	0:58:44	0.9495	40.12
481	0	0:59:20	0.9595	40.13
486	0	0:59:56	0.9695	41.01
491	0	1: 0:32	0.9794	41.90
496	0	1: 1: 8	0.9894	42.78
501	0	1: 1:44	0.9994	42.79
506	0	1: 2:20	1.0094	43.67
511	0	1: 2:56	1.0194	44.55
516	0	1: 3:32	1.0294	44.56
521	0	1: 4: 8	1.0394	44.57
526	0	1: 4:44	1.0494	45.46

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
531	0	1: 5:20	1.0594	46.34
536	0	1: 5:56	1.0693	47.22
541	0	1: 6:32	1.0793	48.10
546	0	1: 7: 8	1.0893	48.98
551	0	1: 7:44	1.0993	48.99
556	0	1: 8:19	1.1093	50.75
561	0	1: 8:55	1.1193	50.76
566	0	1: 9:31	1.1293	51.64
571	0	1:10: 7	1.1393	51.65
576	0	1:10:43	1.1492	53.40
581	0	1:11:19	1.1592	53.41
586	0	1:11:55	1.1692	54.30
591	0	1:12:31	1.1792	54.31
596	0	1:13: 7	1.1892	55.19
601	0	1:13:43	1.1992	56.07
606	0	1:14:19	1.2092	56.95
611	0	1:14:55	1.2192	58.71
616	0	1:15:31	1.2291	58.72
621	0	1:16: 7	1.2391	59.60
626	0	1:16:43	1.2491	60.48
631	0	1:17:19	1.2591	61.36
636	0	1:17:55	1.2691	62.24
641	0	1:18:31	1.2791	63.13
646	0	1:19: 7	1.2891	64.01
651	0	1:19:43	1.2991	64.89
656	0	1:20:19	1.3090	64.90
661	0	1:20:55	1.3190	65.78
666	0	1:21:30	1.3290	66.66
		END SHUTIN 1		
		START FLOW 2		
668	0	1:22:21	1.3430	64.07
673	0	1:22:57	1.3530	60.59
678	0	1:23:33	1.3631	56.25
683	0	1:24: 9	1.3731	53.65
688	0	1:24:45	1.3831	51.05
693	0	1:25:21	1.3931	49.31
698	0	1:25:57	1.4031	47.58
703	0	1:26:33	1.4131	45.85
708	0	1:27: 9	1.4231	44.99
713	0	1:27:45	1.4331	44.13
718	0	1:28:21	1.4431	42.40
723	0	1:28:57	1.4531	41.54
728	0	1:29:33	1.4631	40.68
733	0	1:30: 9	1.4730	39.82
738	0	1:30:45	1.4830	39.83
743	0	1:31:21	1.4930	39.84
748	0	1:31:57	1.5030	39.85
753	0	1:32:33	1.5130	39.86
758	0	1:33: 9	1.5230	39.00
763	0	1:33:45	1.5330	38.14
768	0	1:34:21	1.5430	38.16
773	0	1:34:57	1.5530	38.17
778	0	1:35:33	1.5630	38.18
783	0	1:36: 9	1.5730	38.19
788	0	1:36:45	1.5830	37.33

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
793	0	1:37:21	1.5930	37.34
798	0	1:37:57	1.6030	37.35
803	0	1:38:33	1.6130	37.36
808	0	1:39: 9	1.6229	36.50
813	0	1:39:45	1.6329	36.51
818	0	1:40:21	1.6429	36.52
823	0	1:40:57	1.6529	36.53
828	0	1:41:33	1.6629	36.54
833	0	1:42: 8	1.6729	36.56
838	0	1:42:44	1.6829	36.57
843	0	1:43:20	1.6929	35.71
848	0	1:43:56	1.7029	35.72
853	0	1:44:32	1.7129	35.73
858	0	1:45: 8	1.7229	35.74
863	0	1:45:44	1.7329	35.75
868	0	1:46:20	1.7429	35.76
873	0	1:46:56	1.7528	35.77
878	0	1:47:32	1.7628	35.78
883	0	1:48: 8	1.7728	35.79
888	0	1:48:44	1.7828	34.93
893	0	1:49:20	1.7928	34.94
898	0	1:49:56	1.8028	34.95
903	0	1:50:32	1.8128	34.97
908	0	1:51: 8	1.8228	34.98
913	0	1:51:44	1.8328	34.99
918	0	1:52:20	1.8428	35.00
923	0	1:52:56	1.8528	35.01
928	0	1:53:32	1.8628	35.02
933	0	1:54: 8	1.8728	34.16
938	0	1:54:44	1.8827	34.17
943	0	1:55:20	1.8927	34.18
948	0	1:55:56	1.9027	33.32
953	0	1:56:32	1.9127	33.33
958	0	1:57: 8	1.9227	33.34
963	0	1:57:44	1.9327	33.35
968	0	1:58:20	1.9427	33.37
973	0	1:58:56	1.9527	33.38
978	0	1:59:32	1.9627	33.39
983	0	2: 0: 8	1.9727	33.40
		END FLOW 2		
		START SHUTIN 2		
988	0	2: 0:44	1.9827	33.41
993	0	2: 1:20	1.9927	33.42
998	0	2: 1:56	2.0027	33.43
1003	0	2: 2:32	2.0126	33.44
1008	0	2: 3: 8	2.0226	33.45
1013	0	2: 3:43	2.0326	33.46
1018	0	2: 4:19	2.0426	33.47
1023	0	2: 4:55	2.0526	33.49
1028	0	2: 5:31	2.0626	33.50
1033	0	2: 6: 7	2.0726	33.51
1038	0	2: 6:43	2.0826	33.52
1043	0	2: 7:19	2.0926	34.40
1048	0	2: 7:55	2.1026	34.41
1053	0	2: 8:31	2.1126	34.42

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1058	0	2: 9: 7	2.1225	34.43
1063	0	2: 9:43	2.1325	35.31
1068	0	2:10:19	2.1425	35.33
1073	0	2:10:55	2.1525	35.34
1078	0	2:11:31	2.1625	35.35
1083	0	2:12: 7	2.1725	35.36
1088	0	2:12:43	2.1825	36.24
1093	0	2:13:19	2.1925	36.25
1098	0	2:13:55	2.2025	36.26
1103	0	2:14:31	2.2125	37.14
1108	0	2:15: 7	2.2224	37.15
1113	0	2:15:43	2.2324	38.04
1118	0	2:16:19	2.2424	38.05
1123	0	2:16:55	2.2524	38.06
1128	0	2:17:31	2.2624	38.07
1133	0	2:18: 7	2.2724	38.08
1138	0	2:18:43	2.2824	38.09
1143	0	2:19:19	2.2924	38.10
1148	0	2:19:55	2.3024	38.98
1153	0	2:20:31	2.3124	39.86
1158	0	2:21: 6	2.3223	39.88
1163	0	2:21:42	2.3323	40.76
1168	0	2:22:18	2.3423	40.77
1173	0	2:22:54	2.3523	39.91
1178	0	2:23:30	2.3623	40.79
1183	0	2:24: 6	2.3723	40.80
1188	0	2:24:42	2.3823	41.68
1193	0	2:25:18	2.3923	41.69
1198	0	2:25:54	2.4023	41.70
1203	0	2:26:30	2.4123	43.46
1208	0	2:27: 6	2.4222	43.47
1213	0	2:27:42	2.4322	44.35
1218	0	2:28:18	2.4422	44.36
1223	0	2:28:54	2.4522	44.37
1228	0	2:29:30	2.4622	44.38
1233	0	2:30: 6	2.4722	44.39
1238	0	2:30:42	2.4822	44.40
1243	0	2:31:18	2.4922	45.29
1248	0	2:31:54	2.5022	45.30
1253	0	2:32:30	2.5122	45.31
1258	0	2:33: 6	2.5222	45.32
1263	0	2:33:42	2.5321	45.33
1268	0	2:34:18	2.5421	45.34
1273	0	2:34:54	2.5521	45.35
1278	0	2:35:30	2.5621	45.36
1283	0	2:36: 6	2.5721	45.37
1288	0	2:36:42	2.5821	46.26
1293	0	2:37:18	2.5921	46.27
1298	0	2:37:54	2.6021	47.15
1303	0	2:38:29	2.6121	47.16
1308	0	2:39: 5	2.6221	47.17
1313	0	2:39:41	2.6320	47.18
1318	0	2:40:17	2.6420	48.06
1323	0	2:40:53	2.6520	48.07
1328	0	2:41:29	2.6620	48.96

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1333	0	2:42: 5	2.6720	48.97
1338	0	2:42:41	2.6820	48.98
1343	0	2:43:17	2.6920	48.99
1348	0	2:43:53	2.7020	49.87
1353	0	2:44:29	2.7120	50.75
1358	0	2:45: 5	2.7219	51.63
1363	0	2:45:41	2.7319	51.64
1368	0	2:46:17	2.7419	51.66
1373	0	2:46:53	2.7519	51.67
1378	0	2:47:29	2.7619	51.68
1383	0	2:48: 5	2.7719	51.69
1388	0	2:48:41	2.7819	51.70
1393	0	2:49:17	2.7919	52.58
1398	0	2:49:53	2.8019	53.46
1403	0	2:50:29	2.8119	54.34
1408	0	2:51: 5	2.8218	54.36
1413	0	2:51:41	2.8318	54.37
1418	0	2:52:17	2.8418	54.38
1423	0	2:52:53	2.8518	55.26
1428	0	2:53:29	2.8618	55.27
1433	0	2:54: 5	2.8718	55.28
1438	0	2:54:41	2.8818	55.29
1443	0	2:55:16	2.8918	56.17
1448	0	2:55:52	2.9018	56.18
1453	0	2:56:28	2.9118	57.07
1458	0	2:57: 4	2.9218	57.08
1463	0	2:57:40	2.9317	57.96
1468	0	2:58:16	2.9417	57.97
1473	0	2:58:52	2.9517	57.98
1478	0	2:59:28	2.9617	57.99
1483	0	3: 0: 4	2.9717	58.87
1488	0	3: 0:40	2.9817	58.88
1493	0	3: 1:16	2.9917	58.90
1498	0	3: 1:52	3.0017	58.91
1503	0	3: 2:28	3.0117	59.79
1508	0	3: 3: 4	3.0216	60.67
1513	0	3: 3:40	3.0316	60.68
1518	0	3: 4:16	3.0416	60.69
1523	0	3: 4:52	3.0516	60.70
1528	0	3: 5:28	3.0616	61.58
1533	0	3: 6: 4	3.0716	61.60
1538	0	3: 6:40	3.0816	61.61
1543	0	3: 7:16	3.0916	62.49
1548	0	3: 7:52	3.1016	62.50
1553	0	3: 8:28	3.1116	62.51
1558	0	3: 9: 4	3.1216	62.52
1563	0	3: 9:40	3.1315	63.40
1568	0	3:10:16	3.1415	63.41
1573	0	3:10:51	3.1515	64.30
1578	0	3:11:27	3.1615	64.31
1583	0	3:12: 3	3.1715	64.32
1588	0	3:12:39	3.1815	65.20
1593	0	3:13:15	3.1915	65.21
1598	0	3:13:51	3.2015	65.22
1603	0	3:14:27	3.2115	65.23

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.

Well: BREINER #1

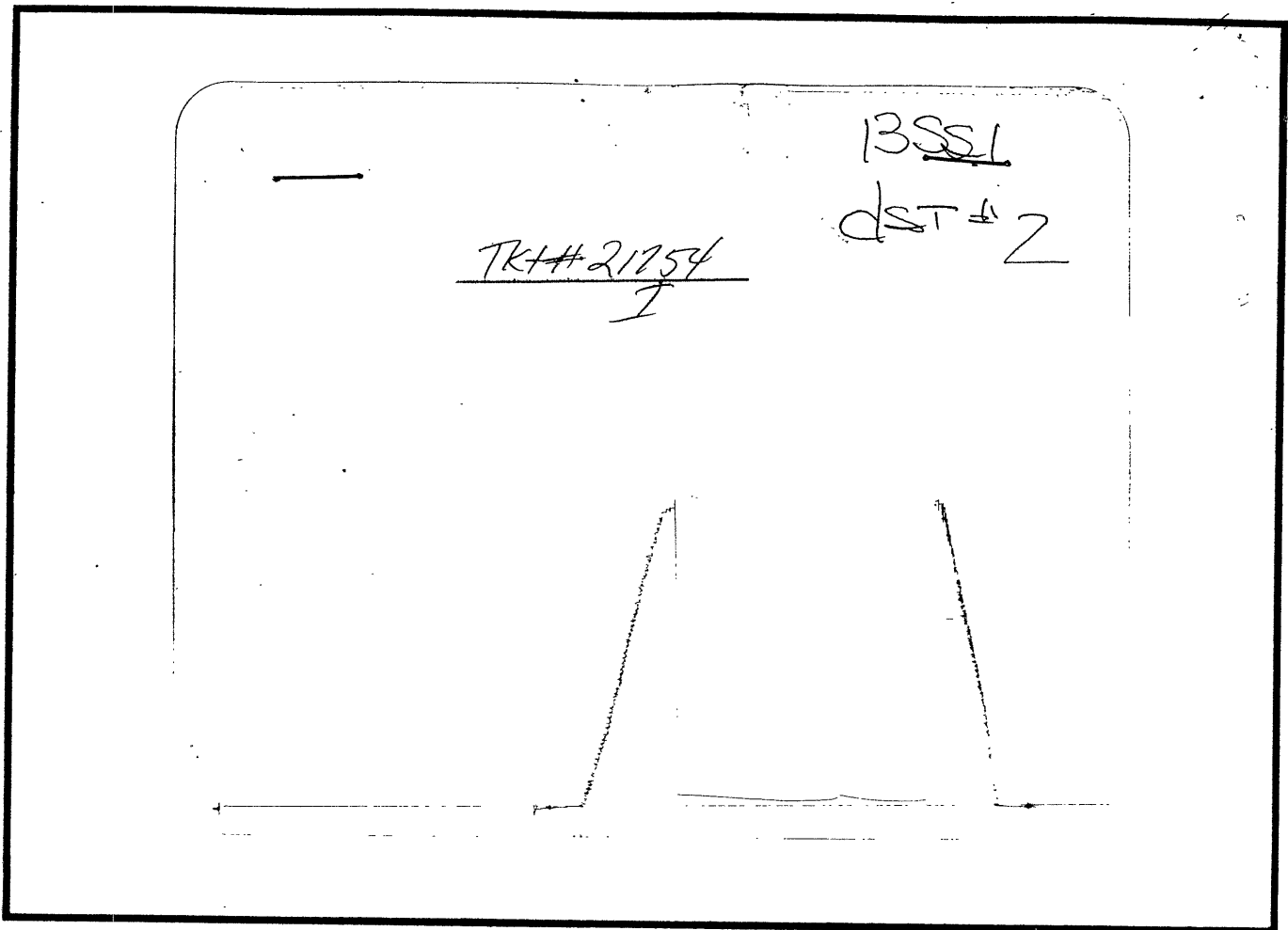
Field: DST #2 TKT #21754

[Friday: Dec. 27, 1996]

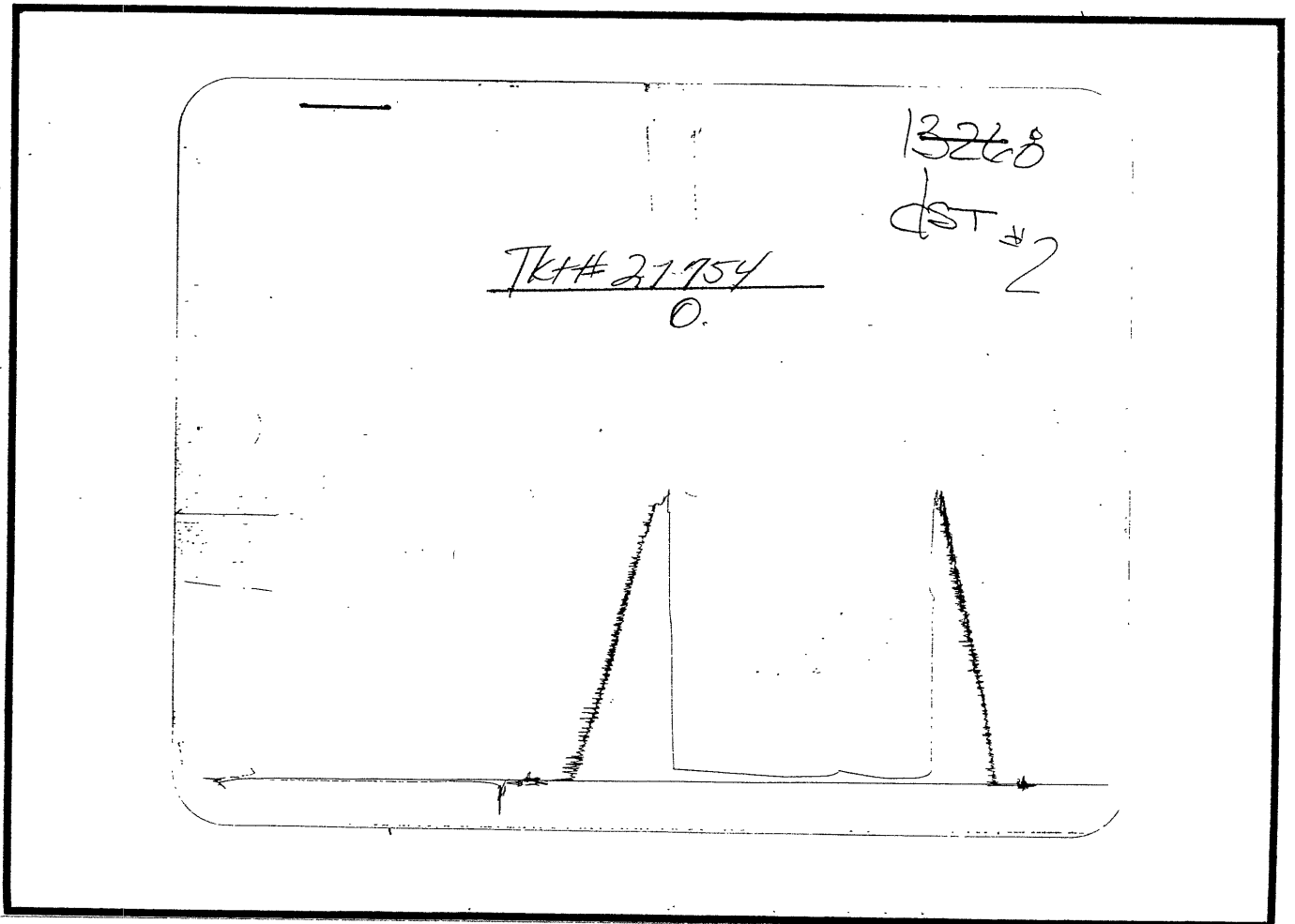
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1608	0	3:15: 3	3.2215	65.24
1613	0	3:15:39	3.2314	66.12
1618	0	3:16:15	3.2414	66.14
1623	0	3:16:51	3.2514	66.15
1628	0	3:17:27	3.2614	66.16
1633	0	3:18: 3	3.2714	66.17
1638	0	3:18:39	3.2814	67.05
1643	0	3:19:15	3.2914	67.06
1648	0	3:19:51	3.3014	67.07
1653	0	3:20:27	3.3114	67.95
1658	0	3:21: 3	3.3214	67.96
1663	0	3:21:39	3.3313	67.98
1668	0	3:22:15	3.3413	68.86
1673	0	3:22:51	3.3513	68.87
1678	0	3:23:27	3.3613	68.88
1683	0	3:24: 3	3.3713	68.89
1688	0	3:24:39	3.3813	69.77
1693	0	3:25:15	3.3913	69.78
1698	0	3:25:51	3.4013	69.79
1703	0	3:26:27	3.4113	69.80
1708	0	3:27: 3	3.4213	69.82
1713	0	3:27:39	3.4313	69.83
1718	0	3:28:15	3.4412	69.84
1723	0	3:28:50	3.4512	69.85
1728	0	3:29:26	3.4612	69.86
1733	0	3:30: 2	3.4712	69.87
1738	0	3:30:38	3.4812	69.88
1743	0	3:31:14	3.4912	70.76
1748	0	3:31:50	3.5012	70.77
1753	0	3:32:26	3.5112	70.78
1758	0	3:33: 2	3.5212	71.67
1763	0	3:33:38	3.5312	71.68
1768	0	3:34:14	3.5412	71.69
1773	0	3:34:50	3.5511	71.70
1778	0	3:35:26	3.5611	71.71

WESTERN TESTING CO., INC.



Inside Recorder



DST REPORT

GENERAL INFORMATION

DATE : 12/28/96
CUSTOMER : MULL DRILLING COMPANY
WELL : #1 TEST: 3
ELEVATION: 2583 K.B.
SECTION : 16
RANGE : 25W COUNTY: NORTON
GAUGE SN#: 13551 RANGE : 4150
TICKET : 21755
LEASE : BREINER
GEOLOGIST: BILL STOUT
FORMATION: LANSING
TOWNSHIP : 2S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3604.00 ft TO: 3633.00 ft TVD: 3633.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3607.0 ft 3610.0 ft
TEMPERATURE: 118.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 600.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 2981.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 29.0 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: 3599.0 ft SIZE: 6.750 in
PACKER DEPTH: 3604.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 1500 ppm
JARS-MAKE : NO
DID WELL FLOW?: NO
VISCOSITY : 43.00 cp
WATER LOSS: 8.000 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW .25" IN WATER ON INITIAL FLOW PERIOD.
NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1.0	100.0	0.0	0.0	0.0	OIL
15.0	50.0	0.0	0.0	50.0	MUDDY CUT OIL

RATE INFORMATION

OIL VOLUME:	0.0845 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	3.8195 STB/D
MUD VOLUME:	0.0746 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1591 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1843.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	52.00
INITIAL SHUT-IN	45.00		135.00
FINAL FLOW	30.00	52.00	52.00
FINAL SHUT-IN	45.00		73.00

FINAL HYDROSTATIC PRESSURE: 1792.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1822.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	89.21	36.80
INITIAL SHUT-IN	45.00		122.24
FINAL FLOW	30.00	78.79	38.68
FINAL SHUT-IN	45.00		57.86

FINAL HYDROSTATIC PRESSURE: 1775.00

Company: MULL DRILLING CO.
Well: BREINER #1 DST #3
Field: TKT #21755

[Saturday: Dec. 28, 1996]
Page 1

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

START FLOW 1				
1	0	0: 1:17	0.0000	89.21
6	0	0: 1:54	0.0103	79.68
11	0	0: 2:30	0.0205	71.89
16	0	0: 3: 7	0.0306	67.59
21	0	0: 3:43	0.0407	63.29
26	0	0: 4:19	0.0508	59.86
31	0	0: 4:56	0.0608	57.30
36	0	0: 5:32	0.0709	53.87
41	0	0: 6: 8	0.0810	52.18
46	0	0: 6:44	0.0910	51.36
51	0	0: 7:20	0.1010	50.54
56	0	0: 7:56	0.1110	48.85
61	0	0: 8:33	0.1211	47.16
66	0	0: 9: 9	0.1311	46.34
71	0	0: 9:45	0.1411	45.52
76	0	0:10:21	0.1511	45.58
81	0	0:10:57	0.1611	44.76
86	0	0:11:33	0.1711	43.07
91	0	0:12: 9	0.1811	43.12
96	0	0:12:45	0.1911	43.17
101	0	0:13:21	0.2011	43.22
106	0	0:13:57	0.2111	42.41
111	0	0:14:33	0.2211	42.46
116	0	0:15: 9	0.2312	40.77
121	0	0:15:45	0.2411	40.82
126	0	0:16:21	0.2512	40.00
131	0	0:16:57	0.2612	39.18
136	0	0:17:33	0.2712	39.24
141	0	0:18: 9	0.2812	38.42
146	0	0:18:45	0.2912	38.47
151	0	0:19:21	0.3012	38.52
156	0	0:19:57	0.3112	38.57
161	0	0:20:33	0.3212	38.63
166	0	0:21: 9	0.3311	38.68
171	0	0:21:45	0.3411	38.73
176	0	0:22:21	0.3511	38.78
181	0	0:22:57	0.3611	38.84
186	0	0:23:33	0.3711	38.89
191	0	0:24: 9	0.3811	38.94
196	0	0:24:45	0.3911	38.99
201	0	0:25:21	0.4011	39.05
206	0	0:25:57	0.4111	38.23
211	0	0:26:33	0.4211	38.28
216	0	0:27: 9	0.4311	38.33
221	0	0:27:45	0.4411	37.51
226	0	0:28:21	0.4511	37.57
231	0	0:28:57	0.4611	37.62
236	0	0:29:33	0.4711	36.80
END FLOW 1				
START SHUTIN 1				
241	0	0:30: 9	0.4811	36.85
246	0	0:30:45	0.4911	36.90
251	0	0:31:21	0.5011	36.09
256	0	0:31:57	0.5111	36.14

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #3
Field: TKT #21755

[Saturday: Dec. 28, 1996]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
261	0	0:32:33	0.5211	36.19
266	0	0:33: 9	0.5311	36.24
271	0	0:33:44	0.5411	36.29
276	0	0:34:21	0.5511	35.48
281	0	0:34:57	0.5611	35.53
286	0	0:35:32	0.5711	35.58
291	0	0:36: 8	0.5810	35.63
296	0	0:36:44	0.5910	35.69
301	0	0:37:20	0.6010	35.74
306	0	0:37:56	0.6110	35.79
311	0	0:38:32	0.6210	35.84
316	0	0:39: 8	0.6310	35.89
321	0	0:39:44	0.6410	36.82
326	0	0:40:20	0.6510	36.87
331	0	0:40:56	0.6609	36.92
336	0	0:41:32	0.6709	36.98
341	0	0:42: 8	0.6809	37.03
346	0	0:42:44	0.6909	37.08
351	0	0:43:20	0.7009	37.13
356	0	0:43:56	0.7109	38.06
361	0	0:44:32	0.7208	38.98
366	0	0:45: 8	0.7308	39.03
371	0	0:45:44	0.7408	39.08
376	0	0:46:20	0.7508	39.14
381	0	0:46:56	0.7608	40.06
386	0	0:47:31	0.7708	40.11
391	0	0:48: 7	0.7807	41.03
396	0	0:48:43	0.7907	41.96
401	0	0:49:19	0.8007	42.01
406	0	0:49:55	0.8107	42.06
411	0	0:50:31	0.8207	42.99
416	0	0:51: 7	0.8306	43.04
421	0	0:51:43	0.8406	43.96
426	0	0:52:19	0.8506	44.01
431	0	0:52:55	0.8606	44.07
436	0	0:53:31	0.8706	44.99
441	0	0:54: 7	0.8805	45.91
446	0	0:54:42	0.8905	46.84
451	0	0:55:18	0.9005	47.76
456	0	0:55:54	0.9104	48.68
461	0	0:56:30	0.9204	49.61
466	0	0:57: 6	0.9304	50.53
471	0	0:57:42	0.9403	51.45
476	0	0:58:18	0.9503	52.37
481	0	0:58:54	0.9603	53.30
486	0	0:59:29	0.9702	55.09
491	0	1: 0: 5	0.9802	56.02
496	0	1: 0:41	0.9901	56.94
501	0	1: 1:17	1.0001	57.86
506	0	1: 1:53	1.0101	58.78
511	0	1: 2:29	1.0201	58.84
516	0	1: 3: 5	1.0300	60.63
521	0	1: 3:41	1.0400	62.43
526	0	1: 4:16	1.0499	63.35
531	0	1: 4:52	1.0599	64.27

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO. :
 Well: BREINER #1 DST #3
 Field: TKT #21755

[Saturday: Dec. 28, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
536	0	1: 5:28	1.0698	66.07
541	0	1: 6: 4	1.0798	66.99
546	0	1: 6:40	1.0898	67.91
551	0	1: 7:16	1.0997	69.71
556	0	1: 7:51	1.1097	71.50
561	0	1: 8:27	1.1196	72.42
566	0	1: 9: 3	1.1295	75.09
571	0	1: 9:39	1.1395	77.75
576	0	1:10:15	1.1494	79.55
581	0	1:10:50	1.1593	82.21
586	0	1:11:26	1.1692	84.88
591	0	1:12: 2	1.1792	86.67
596	0	1:12:38	1.1891	88.47
601	0	1:13:13	1.1990	91.13
606	0	1:13:49	1.2090	93.80
611	0	1:14:25	1.2189	95.59
616	0	1:15: 0	1.2288	98.26
621	0	1:15:36	1.2387	100.92
626	0	1:16:12	1.2487	103.59
631	0	1:16:48	1.2586	105.38
636	0	1:17:23	1.2685	108.04
641	0	1:17:59	1.2784	110.71
646	0	1:18:35	1.2884	113.37
651	0	1:19:10	1.2983	116.91
656	0	1:19:46	1.3082	119.58
661	0	1:20:22	1.3181	122.24
		END SHUTIN 1		
		START FLOW 2		
666	0	1:21:31	1.3373	78.79
671	0	1:22: 8	1.3475	71.00
676	0	1:22:44	1.3576	66.70
681	0	1:23:20	1.3677	62.40
686	0	1:23:57	1.3778	58.97
691	0	1:24:33	1.3879	55.54
696	0	1:25: 9	1.3979	53.85
701	0	1:25:45	1.4080	52.16
706	0	1:26:22	1.4180	49.60
711	0	1:26:58	1.4280	48.78
716	0	1:27:34	1.4381	47.96
721	0	1:28:10	1.4481	46.27
726	0	1:28:46	1.4581	45.45
731	0	1:29:22	1.4681	44.63
736	0	1:29:58	1.4781	43.82
741	0	1:30:34	1.4882	43.00
746	0	1:31:10	1.4982	42.18
751	0	1:31:46	1.5081	42.23
756	0	1:32:22	1.5182	41.41
761	0	1:32:58	1.5282	41.46
766	0	1:33:34	1.5382	41.52
771	0	1:34:10	1.5482	40.70
776	0	1:34:46	1.5582	40.75
781	0	1:35:22	1.5682	40.80
786	0	1:35:58	1.5781	40.86
791	0	1:36:34	1.5882	40.04
796	0	1:37:10	1.5982	39.22

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #3
Field: TKT #21755

[Saturday: Dec. 28, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
801	0	1:37:46	1.6082	39.27
806	0	1:38:22	1.6181	39.32
811	0	1:38:58	1.6281	39.38
816	0	1:39:34	1.6381	39.43
821	0	1:40:10	1.6481	39.48
826	0	1:40:46	1.6581	39.53
831	0	1:41:22	1.6681	39.58
836	0	1:41:58	1.6781	39.64
841	0	1:42:34	1.6881	38.82
846	0	1:43:10	1.6981	38.00
851	0	1:43:46	1.7081	38.05
856	0	1:44:22	1.7181	38.10
861	0	1:44:58	1.7281	38.16
866	0	1:45:34	1.7381	38.21
871	0	1:46:10	1.7481	38.26
876	0	1:46:46	1.7581	38.31
881	0	1:47:22	1.7681	38.37
886	0	1:47:58	1.7781	38.42
891	0	1:48:34	1.7880	38.47
896	0	1:49:10	1.7980	38.52
901	0	1:49:46	1.8080	38.58
906	0	1:50:22	1.8180	38.63
911	0	1:50:58	1.8280	38.68
		END FLOW 2		
		START SHUTIN 2		
912	0	1:51: 5	1.8300	38.69
916	0	1:51:34	1.8380	38.73
921	0	1:52: 9	1.8480	38.78
926	0	1:52:45	1.8580	38.84
931	0	1:53:21	1.8680	38.89
936	0	1:53:57	1.8780	38.94
941	0	1:54:33	1.8880	38.99
946	0	1:55: 9	1.8979	39.05
951	0	1:55:45	1.9079	39.10
956	0	1:56:21	1.9179	39.15
961	0	1:56:57	1.9279	39.20
966	0	1:57:33	1.9379	39.26
971	0	1:58: 9	1.9479	39.31
976	0	1:58:45	1.9579	39.36
981	0	1:59:21	1.9679	39.41
986	0	1:59:57	1.9779	39.47
991	0	2: 0:33	1.9879	39.52
996	0	2: 1: 9	1.9979	39.57
1001	0	2: 1:45	2.0078	39.62
1006	0	2: 2:21	2.0178	39.67
1011	0	2: 2:57	2.0278	39.73
1016	0	2: 3:33	2.0378	40.65
1021	0	2: 4: 9	2.0478	40.70
1026	0	2: 4:45	2.0578	40.75
1031	0	2: 5:21	2.0678	40.81
1036	0	2: 5:57	2.0778	40.86
1041	0	2: 6:33	2.0877	40.91
1046	0	2: 7: 9	2.0977	40.96
1051	0	2: 7:45	2.1077	41.02
1056	0	2: 8:21	2.1177	41.07

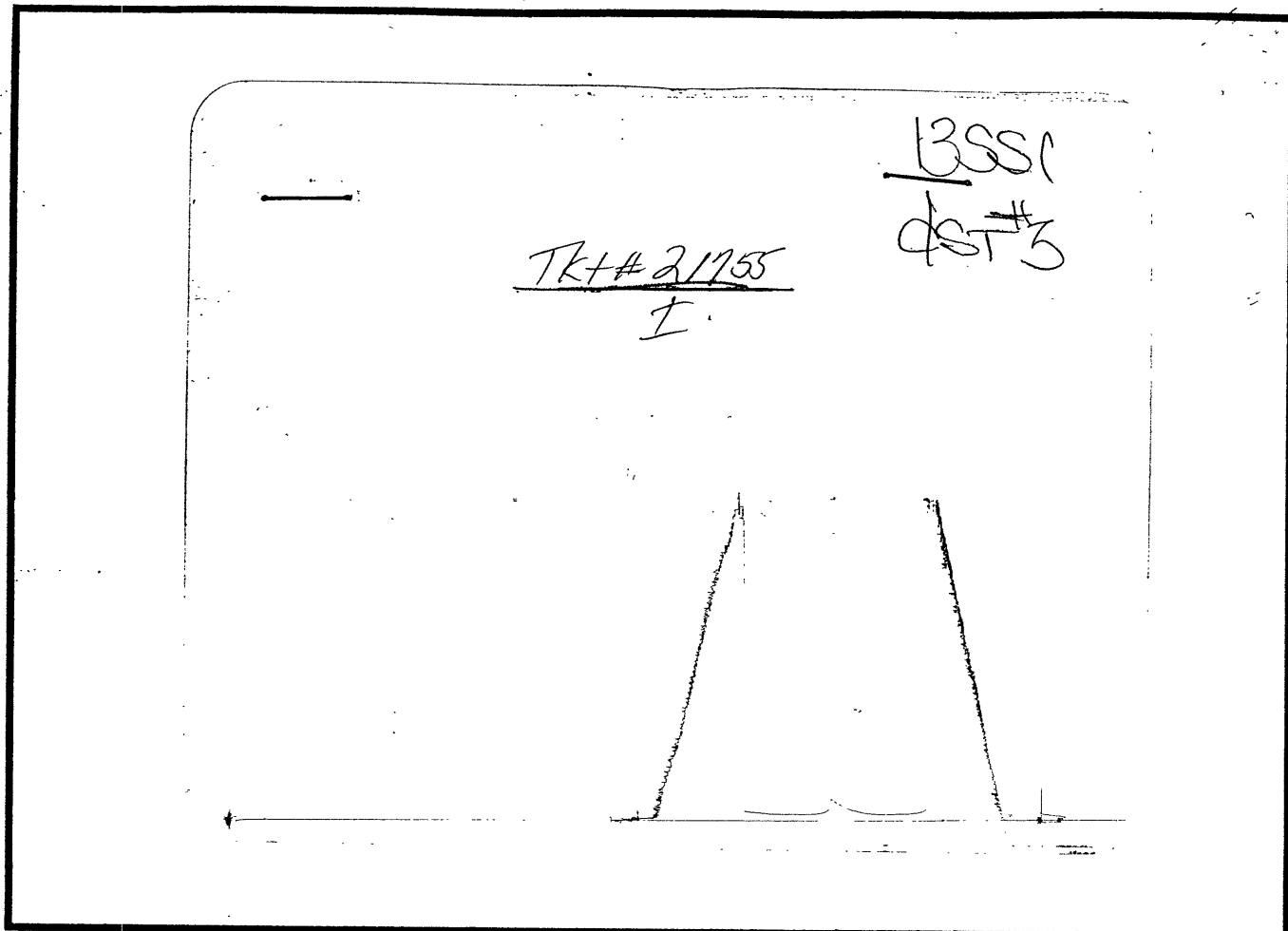
WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #3
Field: TKT #21755

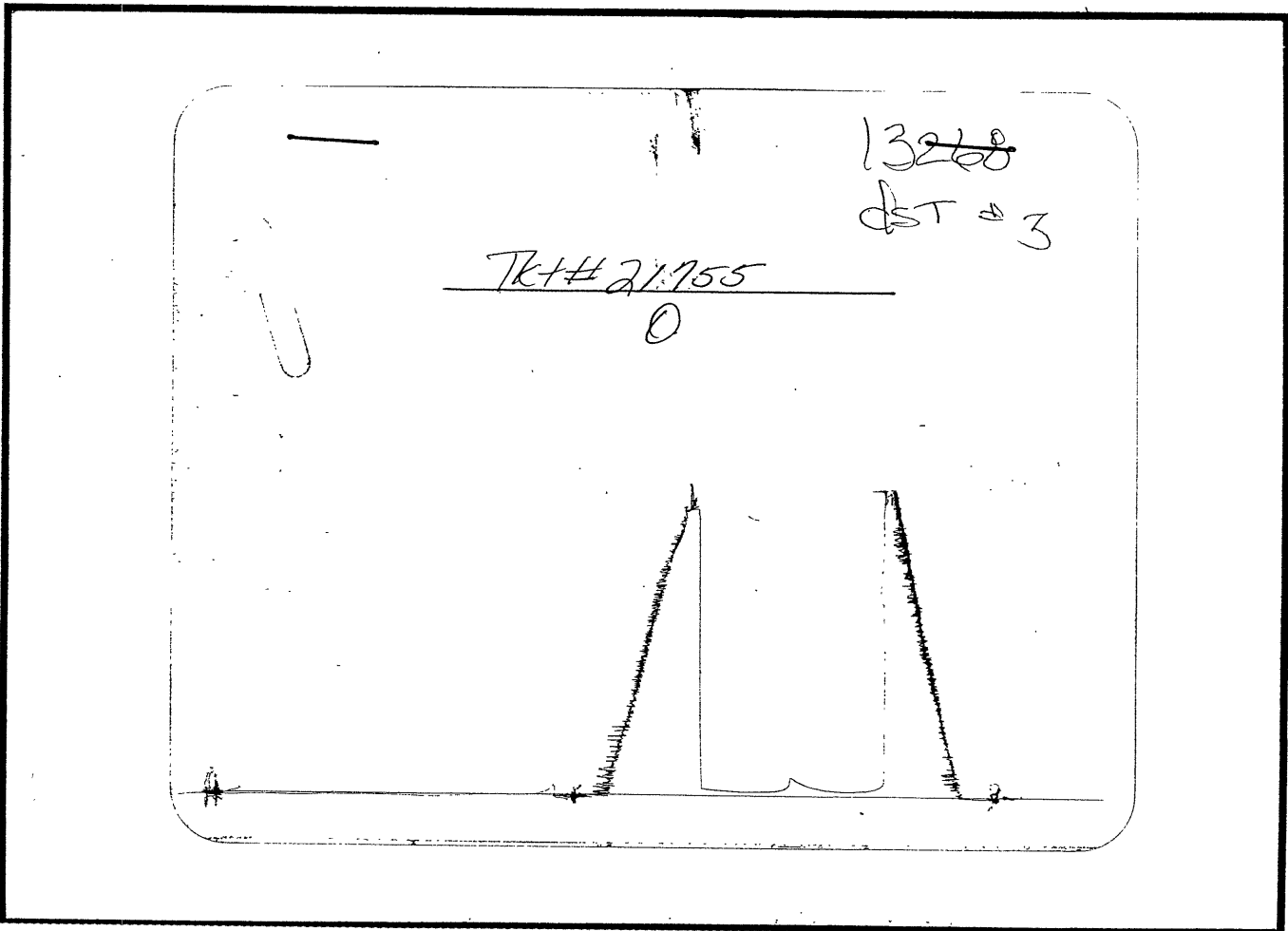
[Saturday: Dec. 28, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1061	0	2: 8:56	2.1277	41.12
1066	0	2: 9:32	2.1377	41.17
1071	0	2:10: 8	2.1477	41.23
1076	0	2:10:44	2.1577	41.28
1081	0	2:11:20	2.1677	41.33
1086	0	2:11:56	2.1776	42.25
1091	0	2:12:32	2.1876	42.31
1096	0	2:13: 8	2.1976	43.23
1101	0	2:13:44	2.2076	43.28
1106	0	2:14:20	2.2176	44.20
1111	0	2:14:56	2.2275	45.13
1116	0	2:15:32	2.2375	45.18
1121	0	2:16: 8	2.2475	46.10
1126	0	2:16:44	2.2575	46.16
1131	0	2:17:20	2.2675	46.21
1136	0	2:17:55	2.2774	47.13
1141	0	2:18:31	2.2874	48.05
1146	0	2:19: 7	2.2974	48.11
1151	0	2:19:43	2.3074	49.03
1156	0	2:20:19	2.3173	49.08
1161	0	2:20:55	2.3273	49.13
1166	0	2:21:31	2.3373	50.06
1171	0	2:22: 7	2.3473	50.11
1176	0	2:22:43	2.3573	50.16
1181	0	2:23:19	2.3673	50.21
1186	0	2:23:55	2.3772	51.14
1191	0	2:24:31	2.3872	51.19
1196	0	2:25: 7	2.3972	51.24
1201	0	2:25:43	2.4072	52.17
1206	0	2:26:19	2.4172	52.22
1211	0	2:26:54	2.4272	53.14
1216	0	2:27:30	2.4371	53.19
1221	0	2:28: 6	2.4471	53.25
1226	0	2:28:42	2.4571	54.17
1231	0	2:29:18	2.4671	55.09
1236	0	2:29:54	2.4770	56.02
1241	0	2:30:30	2.4870	56.94
1246	0	2:31: 6	2.4970	57.86

WESTERN TESTING CO., INC.



Inside Recorder



DST REPORT

GENERAL INFORMATION

DATE : 12/28/96
CUSTOMER : MULL DRILLING COMPANY
WELL : #1 TEST: 4
ELEVATION: 2583 K.B.
SECTION : 16
RANGE : 25W COUNTY: NORTON
GAUGE SN#: 13551 RANGE : 4150
TICKET : 21756
LEASE : BREINER
GEOLOGIST: BILL STOUT
FORMATION: LANSING
TOWNSHIP : 2S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3634.00 ft TO: 3665.00 ft TVD: 3665.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3637.0 ft 3640.0 ft
TEMPERATURE: 0.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 600.0 ft I.D.: 3.200 in
DRILL PIPE LENGTH : 3011.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 31.0 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: 3629.0 ft SIZE: 6.750 in
PACKER DEPTH: 3634.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ABERCROMBIE #8
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 1500 ppm
JARS-MAKE : NO
DID WELL FLOW?: NO
VISCOSITY : 43.00 cp
WATER LOSS: 8.000 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW DIED IN 15 MINUTES ON INITIAL FLOW PERIOD. NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB	TOTAL FLOW TIME: 50.0000 min.
GAS VOLUME: 0.0000 SCF	AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME: 0.0199 STB	AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME: 0.0000 STB	
TOTAL FLUID : 0.0199 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1812.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	20.00	20.00
INITIAL SHUT-IN	30.00		20.00
FINAL FLOW	30.00	20.00	20.00
FINAL SHUT-IN	30.00		20.00

FINAL HYDROSTATIC PRESSURE: 1750.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1810.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	70.55	23.52
INITIAL SHUT-IN	30.00		22.65
FINAL FLOW	30.00	22.65	21.77
FINAL SHUT-IN	30.00		21.77

FINAL HYDROSTATIC PRESSURE: 1750.00

Company: MULL DRILLING CO.
 Well: BREINER #1 DST #4
 Field: TKT #21756

[Saturday: Dec. 28, 1996]
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 1: 5	0.0000	70.55
6	0	0: 1:41	0.0099	62.71
11	0	0: 2:17	0.0199	54.87
16	0	0: 2:53	0.0299	50.52
21	0	0: 3:29	0.0399	46.16
26	0	0: 4: 5	0.0499	44.42
31	0	0: 4:41	0.0599	41.81
36	0	0: 5:17	0.0699	39.19
41	0	0: 5:53	0.0799	37.45
46	0	0: 6:28	0.0899	35.71
51	0	0: 7: 4	0.0998	33.97
56	0	0: 7:40	0.1098	33.10
61	0	0: 8:16	0.1198	32.23
66	0	0: 8:52	0.1298	31.35
71	0	0: 9:28	0.1398	30.48
76	0	0:10: 4	0.1498	28.74
81	0	0:10:40	0.1598	28.74
86	0	0:11:16	0.1698	27.00
91	0	0:11:52	0.1798	27.00
96	0	0:12:28	0.1898	27.00
101	0	0:13: 4	0.1998	26.13
106	0	0:13:40	0.2098	26.13
111	0	0:14:16	0.2197	25.26
116	0	0:14:52	0.2297	25.26
121	0	0:15:28	0.2397	24.39
126	0	0:16: 4	0.2497	23.52
131	0	0:16:40	0.2597	23.52
136	0	0:17:16	0.2697	23.52
141	0	0:17:52	0.2797	23.52
146	0	0:18:28	0.2897	22.65
151	0	0:19: 4	0.2997	22.65
156	0	0:19:40	0.3097	22.65
161	0	0:20:16	0.3197	22.65
166	0	0:20:52	0.3297	22.65
171	0	0:21:28	0.3396	22.65
176	0	0:22: 4	0.3496	22.65
181	0	0:22:40	0.3596	22.65
186	0	0:23:16	0.3696	22.65
191	0	0:23:52	0.3796	22.65
196	0	0:24:28	0.3896	22.65
201	0	0:25: 4	0.3996	22.65
206	0	0:25:40	0.4096	22.65
211	0	0:26:16	0.4196	22.65
216	0	0:26:51	0.4296	22.65
221	0	0:27:27	0.4396	22.65
226	0	0:28: 3	0.4496	22.65
231	0	0:28:39	0.4595	22.65
236	0	0:29:15	0.4695	22.65
241	0	0:29:51	0.4795	23.52
END FLOW 1				
START SHUTIN 1				
244	0	0:30:13	0.4855	23.52
246	0	0:30:27	0.4895	23.52
251	0	0:31: 3	0.4995	23.52

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #4
Field: TKT #21756

[Saturday: Dec. 28, 1996]
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
256	0	0:31:39	0.5095	23.52
261	0	0:32:15	0.5195	23.52
266	0	0:32:51	0.5295	23.52
271	0	0:33:27	0.5395	23.52
276	0	0:34: 3	0.5495	23.52
281	0	0:34:39	0.5595	23.52
286	0	0:35:15	0.5695	23.52
291	0	0:35:51	0.5794	23.52
296	0	0:36:27	0.5894	24.39
301	0	0:37: 3	0.5994	24.39
306	0	0:37:39	0.6094	24.39
311	0	0:38:15	0.6194	24.39
316	0	0:38:51	0.6294	24.39
321	0	0:39:27	0.6394	24.39
326	0	0:40: 3	0.6494	24.39
331	0	0:40:39	0.6594	24.39
336	0	0:41:15	0.6694	24.39
341	0	0:41:51	0.6794	24.39
346	0	0:42:27	0.6894	24.39
351	0	0:43: 3	0.6993	24.39
356	0	0:43:39	0.7093	24.39
361	0	0:44:15	0.7193	24.39
366	0	0:44:51	0.7293	24.39
371	0	0:45:27	0.7393	24.39
376	0	0:46: 2	0.7493	24.39
381	0	0:46:38	0.7593	24.39
386	0	0:47:14	0.7693	24.39
391	0	0:47:50	0.7793	24.39
396	0	0:48:26	0.7893	24.39
401	0	0:49: 2	0.7993	24.39
406	0	0:49:38	0.8093	24.39
411	0	0:50:14	0.8192	24.39
416	0	0:50:50	0.8292	24.39
421	0	0:51:26	0.8392	24.39
426	0	0:52: 2	0.8492	24.39
431	0	0:52:38	0.8592	24.39
436	0	0:53:14	0.8692	24.39
441	0	0:53:50	0.8792	24.39
443	0	0:54:33	0.8912	23.52
448	0	0:55: 9	0.9012	22.65
453	0	0:55:45	0.9112	22.65
458	0	0:56:21	0.9212	22.65
463	0	0:56:57	0.9312	22.65
468	0	0:57:33	0.9411	22.65
473	0	0:58: 9	0.9511	22.65
478	0	0:58:45	0.9611	22.65
483	0	0:59:21	0.9711	22.65
488	0	0:59:57	0.9811	22.65
		END SHUTIN 1		
		START FLOW 2		
490	0	1: 0:11	0.9851	22.65
493	0	1: 0:33	0.9911	22.65
498	0	1: 1: 9	1.0011	22.65
503	0	1: 1:45	1.0111	22.65
508	0	1: 2:21	1.0211	21.77

WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #4
Field: TKT #21756

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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
513	0	1: 2:57	1.0311	21.77
518	0	1: 3:33	1.0411	21.77
523	0	1: 4: 9	1.0511	21.77
528	0	1: 4:45	1.0610	21.77
533	0	1: 5:21	1.0710	21.77
538	0	1: 5:57	1.0810	21.77
543	0	1: 6:33	1.0910	21.77
548	0	1: 7: 9	1.1010	21.77
553	0	1: 7:45	1.1110	21.77
558	0	1: 8:21	1.1210	21.77
563	0	1: 8:57	1.1310	21.77
568	0	1: 9:33	1.1410	21.77
573	0	1:10: 9	1.1510	21.77
578	0	1:10:44	1.1610	21.77
583	0	1:11:20	1.1710	21.77
588	0	1:11:56	1.1809	21.77
593	0	1:12:32	1.1909	21.77
598	0	1:13: 8	1.2009	21.77
603	0	1:13:44	1.2109	21.77
608	0	1:14:20	1.2209	21.77
613	0	1:14:56	1.2309	21.77
618	0	1:15:32	1.2409	21.77
623	0	1:16: 8	1.2509	21.77
628	0	1:16:44	1.2609	21.77
633	0	1:17:20	1.2709	21.77
638	0	1:17:56	1.2809	21.77
643	0	1:18:32	1.2909	21.77
648	0	1:19: 8	1.3008	21.77
653	0	1:19:44	1.3108	21.77
658	0	1:20:20	1.3208	21.77
663	0	1:20:56	1.3308	21.77
668	0	1:21:32	1.3408	21.77
673	0	1:22: 8	1.3508	21.77
678	0	1:22:44	1.3608	21.77
683	0	1:23:20	1.3708	21.77
688	0	1:23:56	1.3808	21.77
693	0	1:24:32	1.3908	21.77
698	0	1:25: 8	1.4008	21.77
703	0	1:25:44	1.4108	21.77
708	0	1:26:20	1.4207	21.77
713	0	1:26:56	1.4307	21.77
718	0	1:27:32	1.4407	21.77
723	0	1:28: 8	1.4507	21.77
728	0	1:28:44	1.4607	21.77
733	0	1:29:20	1.4707	21.77
738	0	1:29:55	1.4807	21.77
		END FLOW 2		
		START SHUTIN 2		
740	0	1:30:10	1.4847	21.77
743	0	1:30:31	1.4907	21.77
748	0	1:31: 7	1.5007	21.77
753	0	1:31:43	1.5107	21.77
758	0	1:32:19	1.5207	21.77
763	0	1:32:55	1.5307	21.77
768	0	1:33:31	1.5406	21.77

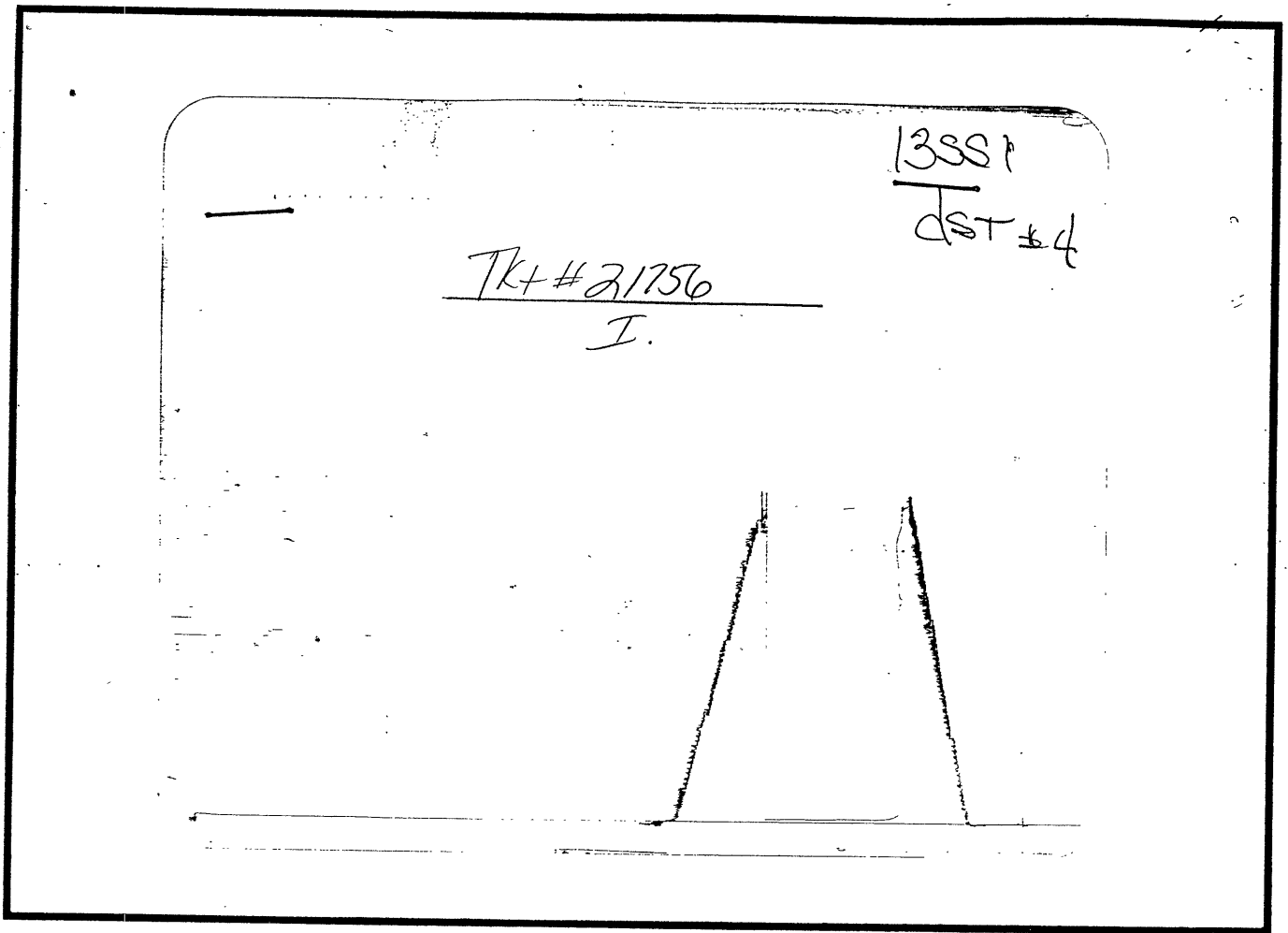
WESTERN TESTING CO., INC.

Company: MULL DRILLING CO.
Well: BREINER #1 DST #4
Field: TKT #21756

[Saturday: Dec. 28, 1996]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
773	0	1:34: 7	1.5506	21.77
778	0	1:34:43	1.5606	21.77
783	0	1:35:19	1.5706	21.77
788	0	1:35:55	1.5806	21.77
793	0	1:36:31	1.5906	21.77
798	0	1:37: 7	1.6006	21.77
803	0	1:37:43	1.6106	21.77
808	0	1:38:19	1.6206	21.77
813	0	1:38:55	1.6306	21.77
818	0	1:39:31	1.6406	21.77
823	0	1:40: 7	1.6506	21.77
828	0	1:40:43	1.6605	21.77
833	0	1:41:19	1.6705	21.77
838	0	1:41:55	1.6805	21.77
843	0	1:42:31	1.6905	21.77
848	0	1:43: 7	1.7005	21.77
853	0	1:43:43	1.7105	21.77
858	0	1:44:19	1.7205	21.77
863	0	1:44:55	1.7305	21.77
868	0	1:45:31	1.7405	21.77
873	0	1:46: 7	1.7505	21.77
878	0	1:46:43	1.7605	21.77
883	0	1:47:19	1.7705	21.77
888	0	1:47:55	1.7804	21.77
893	0	1:48:31	1.7904	21.77
898	0	1:49: 7	1.8004	21.77
903	0	1:49:43	1.8104	21.77

WESTERN TESTING CO., INC.



Inside Recorder

