

5-6-99

MAY 06 1999

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5506
Name: Woolsey Petroleum Corporation
Address 125 North Market
Suite 1000
City/State/Zip Wichita, Kansas 67202-1775
Purchaser: n/a
Operator Contact Person: Debra K. Clingan
Phone (316) 267-4379 ext 106
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Mikeal K. Maune
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

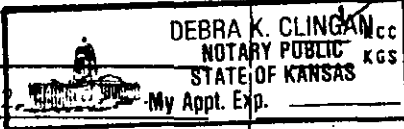
If Workover/Re-Entry: old well info as follows:
Operator: n/a
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
06/19/98 07/02/98 07/03/98
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22569-0000
County Barber
100'S & 120'W of
- C - NW - NE Sec. 30 CONSERVATION DIVISION E
WICHITA, KS 12 X W
760'FNL Feet N/S (circle one) of Section Line
2100'FEL Feet E/W (circle one) of Section Line
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Mills Well # 1
Field Name Aetna Gas Area
Producing Formation n/a
Elevation: Ground 1699' KB 1707'
Total Depth 5345'RTD 5342'LTD PBTB n/a
Amount of Surface Pipe Set and Cemented at 219' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.
Drilling Fluid Management Plan P4-A, 5-10-99 UCI
(Data must be collected from the Reserve Pit)
Chloride content 10,000 ppm Fluid volume 2000 bbls
Dewatering method used Haul free fluids, allow to dry
Location of fluid disposal if hauled offsite: _____
Operator Name Bower Drilling
Lease Name Cole Disposal License No. 5435
Quarter 25 Sec. 25 Twp. 32 S Rng. 12 X W
County Barber Docket No. D-19886

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 Mark P. Stevenson
Title Mark P. Stevenson, VP-Operations Date 05/06/99
Subscribed and sworn to before me this 6th day of May, 19 99.
Notary Public Debra K. Clingan
Date Commission Expires March 4, 2002



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

ORIGINAL

SIDE TWO

Operator Name Woolsey Petroleum Corporation

Lease Name Mills

Well # 1

Sec. 30 Twp. 33 Rge. 14

East

County Barber

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
Compensated Neutron Density PE
Dual Induction
Micro
Sonic

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Krider	2134	- 427
Douglas	3942	-2235
Lansing A	4110	-2403
Marmaton	4596	-2889
Mississippian	4860	-3153
Kinderhook	4990	-3283
Viola	5045	-3338
Simpson	5194	-3487
Arbuckle	5301	-3594
LTD	5342	

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	14-3/4"	10-3/4"	32.75#	219'	60/40 poz	175	3%cc, 2%gel

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 n/a Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. n/a Producing Method Flowing Pumping Gas Lift Other (Explain)

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

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

ORIGINAL

ALLIED CEMENTING CO., INC. 2082

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT: At Road

DATE	7-3-98	SEC	30A	TWP	33	RANGE	14	CALLED OUT	7:00 AM	ON LOCATION	11:30 AM	JOB START	2:30 PM	JOB FINISH	2:50 PM
LEASE	Mills	WELLS	8	LOCATION	U.S. Hwy 24 & 40 S. 1/4 Sec. 16, T. 34N. R. 10E.	COUNTY	Woods	STATE	KS						

CONTRACTOR Wooden Natural Cement Corp
 TYPE OF JOB Water Well #2
 HOLE SIZE 7 7/8 T.D. 5345'
 CASING SIZE 14 1/2 DEPTH 219
 TUBING SIZE 14 1/2 DEPTH 219
 DRILL PIPE 4 1/2 DEPTH 130'
 TOOL PRES. MAX 750 MINIMUM 50
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 feet
 PERFS.

EQUIPMENT
 PUMP TRUCK CEMENTER Carl Balding
 #181 HELPER Shane Wilson
 BULK TRUCK DRIVER John Kelly
 #301 DRIVER

REMARKS:
Wood - 50 lbs. @ 130'
10 lbs. @ 240'
15 lbs. @ 40'
10 lbs. @ 1000'
10 lbs. @ 1000'

DEPTH OF JOB 130'
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE
 MILEAGE
 PLUG 100 lbs. Wood

TOTAL

CHARGE TO: Wooden Natural Cement Corp
 STREET 125 N. Main St Suite 1000
 CITY Wichita STATE KS ZIP 67202

RECEIVED 7/2/98
 KANSAS CORPORATION COMMISSION

MAY 06 1999

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc. WICHITA, KS
 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 [Signature]

ALLIED CEMENTING CO., INC. 2148

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT: Medicine Wells

DATE	7-19-98	SEC	19	TWP	33S	RANGE	14	CALLED OUT	5:00 AM	ON LOCATION	6:00 AM	JOB START	8:00 AM	JOB FINISH	8:30 AM
LEASE	Mills	WELLS	8	LOCATION	U.S. Hwy 24 & 40 S. 1/4 Sec. 16, T. 34N. R. 10E.	COUNTY	Woods	STATE	KS						

CONTRACTOR Wickham
 TYPE OF JOB Surface
 HOLE SIZE 14 1/2 T.D. 219
 CASING SIZE 14 1/2 DEPTH 219
 TUBING SIZE 14 1/2 DEPTH 219
 DRILL PIPE 4 1/2 DEPTH 219
 TOOL PRES. MAX 750 MINIMUM 50
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 feet
 PERFS.

EQUIPMENT
 PUMP TRUCK CEMENTER Carl Balding
 #255-265 HELPER Shane Wilson
 BULK TRUCK DRIVER John Kelly
 #232 DRIVER

REMARKS:
Depth of job 219
10 lbs. @ 240'
15 lbs. @ 40'
10 lbs. @ 1000'
10 lbs. @ 1000'

DEPTH OF JOB 219
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE
 MILEAGE
 PLUG 100 lbs. Wood

TOTAL

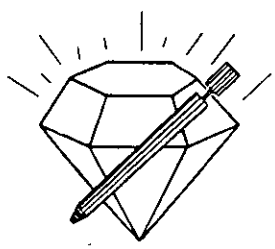
CHARGE TO: Wickham
 STREET _____ STATE _____ ZIP _____

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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 [Signature]

ORGINPAY



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
Elevation 1707 KB Formation Marmaton Effective Pay Ft. Ticket No. 1381
Date 6-26-98 Sec. 30 Twp. 33S Range 14W County Barber State Kansas
Test Approved By Mikeal K. Maune Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,607 ft. to 4,660 ft. Total Depth 4,660 ft.
Packer Depth 4,602 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,607 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,589 ft. Recorder Number 13386 Cap. 3,875 psi
Bottom Recorder Depth (Outside) 4,657 ft. Recorder Number 13556 Cap. 5,475 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 38 Weight Pipe Length ft. I.D. in.
Weight 9.0 Water Loss 13.6 cc. Drill Pipe Length 4,576 ft. I.D. 3 1/2 in.
Chlorides 7,500 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number 1 Anchor Length 22' perf. w/31' drill pipe Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

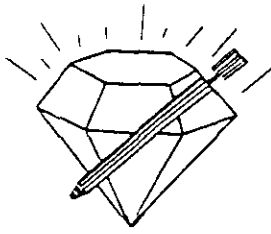
Blow: 1st Open: Weak, 1/8 in., blow decreasing. Died in 12 mins.
2nd Open: No blow.

Recovered 15 ft. of drilling mud with some oil specks in tool = .17835 bbls.

Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 03 1998
COMMERCIAL DIVISION
WICHITA KS

Time Set Packer(s) 12:54 ~~XXXX~~ P.M. Time Started Off Bottom 4:24 ~~XXXX~~ P.M. Maximum Temperature 118°
Initial Hydrostatic Pressure (A) 2227 P.S.I.
Initial Flow Period Minutes 30 (B) 96 P.S.I. to (C) 82 P.S.I.
Initial Closed In Period Minutes 60 (D) 112 P.S.I.
Final Flow Period Minutes 30 (E) 96 P.S.I. to (F) 96 P.S.I.
Final Closed In Period Minutes 90 (G) 98 P.S.I.
Final Hydrostatic Pressure (H) 2198 P.S.I.



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

ORIGINAL

Page 2 of 2 Pages

FLUID SAMPLE DATA

Company Woolsey Petroleum Corporation
 Lease & Well No. Mills No. 1
 Date 6-26-98 Sec. 30 Twp. 33 S Range 14 W
 Formation Test No. 1 Interval Tested From 4,607 ft. to 4,660 ft. Total Depth 4,660 ft.
 Formation Marmaton

	4:00 p.m. MUD PIT	RECOVERY
Viscosity	<u>38</u> CP	<u>38</u> CP
Weight	<u>9.0</u>	<u>9.0</u>
Water Loss	<u>13.6</u> CC	<u>14.4</u> CC
PH Factor	<u>11.5</u>	<u>11.5</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.37</u> @ <u>105</u> °F.	<u>10,500</u> ppm
Recovery Mud Filtrate	<u>.46</u> @ <u>104</u> °F.	<u>9,000</u> ppm
Mud Pit Sample	<u>.40</u> @ <u>103</u> °F.	<u>10,500</u> ppm
Mud Pit Sample Filtrate	<u>.48</u> @ <u>102</u> °F.	<u>9,000</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Mikeal K. Maune

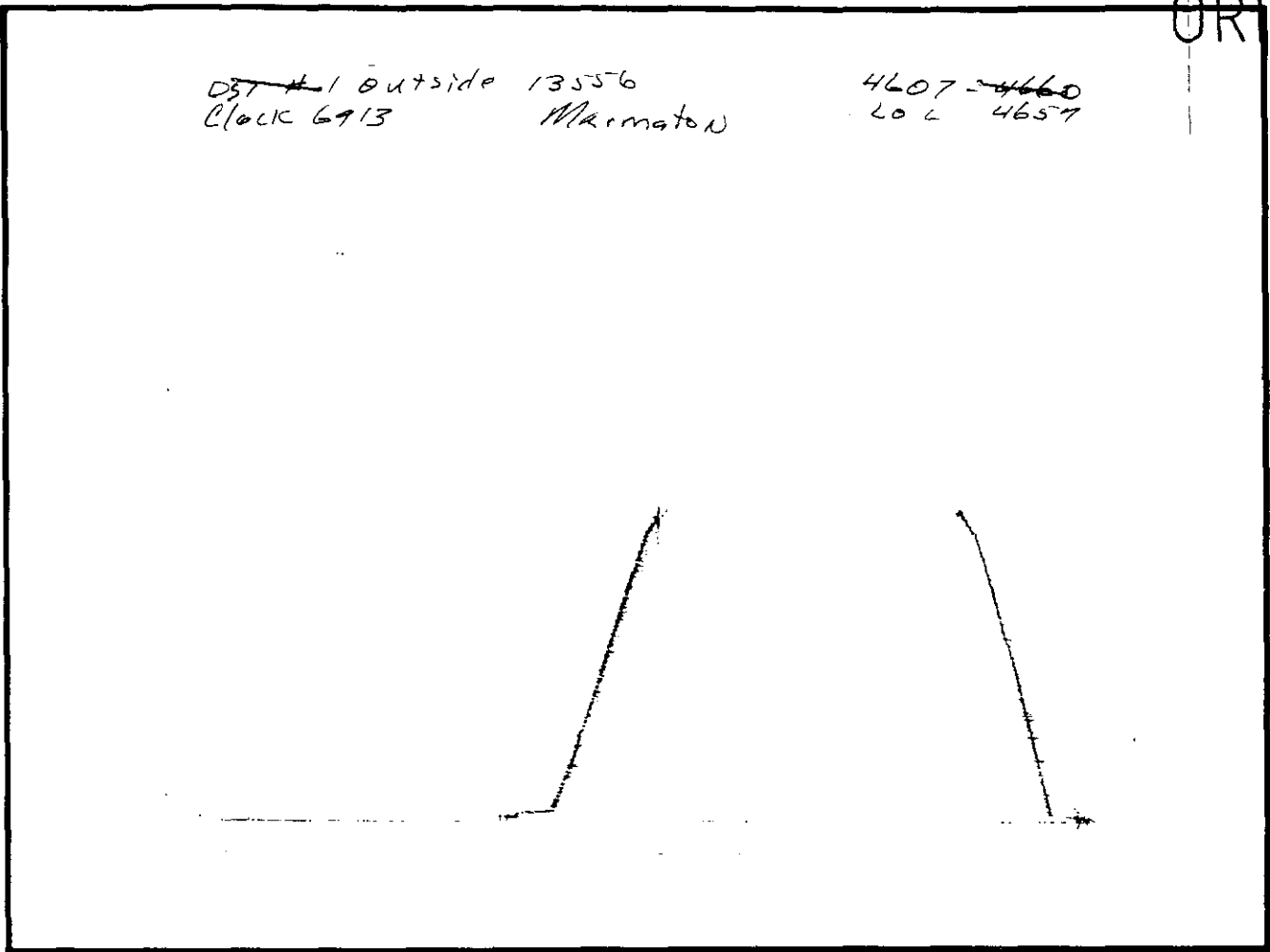
Remarks Pit filtrate triton dish chlorides were 7,500 Ppm.
Recovery filtrate triton dish chlorides were 7,500 Ppm.

ORIGINAL

DST #1 Outside 13556
Clock 6913 Marmaton

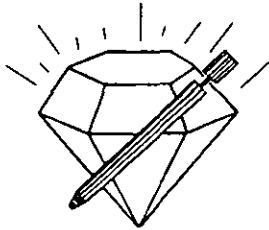
4607-4660
202 4657

COMPANY Woolsey Petroleum Corporation LEASE AND WELL NO. MILLIS NO. 1 SEC. 30 TWP. 33S RGE. 14W TEST NO. 1 DATE 6-26-



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2227	2218	PSI
(B) First Initial Flow Pressure.....	96	101	PSI
(C) First Final Flow Pressure	82	80	PSI
(D) Initial Closed-in Pressure	112	110	PSI
(E) Second Initial Flow Pressure.....	96	101	PSI
(F) Second Final Flow Pressure.....	96	101	PSI
(G) Final Closed-in Pressure.....	98	108	PSI
(H) Final Hydrostatic Mud.....	2198	2190	PSI



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (316) 653-7550

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
 Elevation 1707 KB Formation Mississippi Effective Pay 3 Ft. Ticket No. 1382
 Date 6-27-98 Sec. 30 Twp. 33S Range 14W County Barber State Kansas
 Test Approved By Mikeal K. Maune Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,716 ft. to 4,770 ft. Total Depth 4,770 ft.
 Packer Depth 4,711 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4,716 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

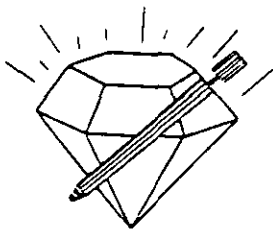
Top Recorder Depth (Inside) 4,698 ft. Recorder Number 13386 Cap. 3,875 psi
 Bottom Recorder Depth (Outside) 4,767 ft. Recorder Number 13556 Cap. 5,475 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
 Mud Type Chemical Viscosity 62 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.1 Water Loss 13.6 cc. Drill Pipe Length 4,685 ft. I.D. 3 1/2 in.
 Chlorides 11,500 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Bowen Serial Number 1 Anchor Length 22' perf. w/32' drill pipe Size 4 1/2 - FH in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

1st Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 1 3/4 mins. Weak blow back during shut-in. (SEE GAS VOLUME REPORT)
 2nd Open: Strong blow. Off bottom of bucket immediately. Weak blow back during shut-in.

Recovered 60 ft. of muddy water = .7134 bbls. (Grind out: 40%-mud; 60%-water)
 Recovered 124 ft. of salt water = 1.47436 bbls.
 Recovered 184 ft. of TOTAL FLUID = 2.18776 bbls.
 Recovered ft. of
 Recovered ft. of
 Remarks

Time Set Packer(s) 9:54 ~~AM~~ ^{AM} P.M. Time Started Off Bottom 3:54 ~~AM~~ ^{AM} P.M. Maximum Temperature 120°
 Initial Hydrostatic Pressure (A) 2268 P.S.I.
 Initial Flow Period Minutes 30 (B) 765 P.S.I. to (C) 710 P.S.I.
 Initial Closed In Period Minutes 60 (D) 738 P.S.I.
 Final Flow Period Minutes 30 (E) 710 P.S.I. to (F) 628 P.S.I.
 Final Closed In Period Minutes 240 (G) 656 P.S.I.
 Final Hydrostatic Pressure (H) 2268 P.S.I.



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Woolsey Petroleum Corporation
Lease & Well No. Mills No. 1
Date 6-27-98 Sec. 30 Twp. 33 S Range 14 W
Formation Test No. 2 Interval Tested From 4,716 ft. to 4,770 ft. Total Depth 4,770 ft.
Formation Mississippi

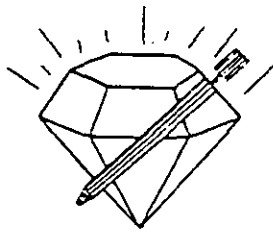
	MUD PIT	RECOVERY	
Viscosity	<u>62</u> CP	<u>41</u> CP	
Weight	<u>9.1</u>	<u>8.6</u>	
Water Loss	<u>13.6</u> CC	<u>50+</u> CC	
PH Factor	<u>11.0</u>	<u>7.0</u>	Water <u>5.5</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>.06 @ 82 °F.</u>	<u>123,000 ppm</u>
Recovery Mud	<u>.08 @ 82 °F.</u>	<u>82,000 ppm</u>
Recovery Mud Filtrate	<u>.08 @ 84 °F.</u>	<u>80,000 ppm</u>
Mud Pit Sample	<u>.28 @ 102 °F.</u>	<u>16,000 ppm</u>
Mud Pit Sample Filtrate	<u>.36 @ 98 °F.</u>	<u>12,000 ppm</u>

Sample Taken By ROGER D. FRIEDLY

Witness By Mikeal K. Maune

Remarks Pit filtrate triton dish chlorides were 11,500 Ppm.
Recovery filtrate triton dish chlorides were 60,000 Ppm.
Recovery water dish chlorides were 123,000 Ppm.



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (316) 653-7550
 GAS VOLUME REPORT

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
 Date 6-27-98 Sec. 30 Twp. 33 S Rge. 14 W Location 760' ENL & 2100' FEL, SEC County Barber State KS
 Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Formation Mississippi DST No. 2
 Remarks: 1st Open: Gas to surface in 1 3/4 mins. Gas burns nicely.

INITIAL FLOW

Open Tool: 9:54 p.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
9:59 p.m.	1 1/2 in.	25 psi	2,258
10:04 p.m.	1 1/2 in.	29 psi	2,503
10:09 p.m.	1 1/2 in.	30 psi	2,558
10:14 p.m.	1 1/2 in.	30 psi	2,558
* 10:19 p.m.	1 1/2 in.	28 psi	2,441
** 10:24 p.m.	1 1/2 in.	29-30 psi	2,503-2,558

* Heavy mist in 24 mins.
 ** Surging.

FINAL FLOW

Open Tool: 11:24 p.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
11:29 p.m.	1 1/2 in.	29 psi	2,503
* 11:34 p.m.	1 1/2 in.	31-32 psi	2,619-2,675
11:39 p.m.	1 1/2 in.	33 psi	2,737
11:44 p.m.	1 1/2 in.	33 psi	2,737
11:49 p.m.	1 1/2 in.	31 psi	2,619
11:54 p.m.	1 1/2 in.	30 psi	2,558

* Heavy mist in 8 mins.
 Gauge reached maximum of 32 psi before mist.
 2,675 MCF surging.

06-27-1998 WOOLSEY PERTOLEUM CORP.

MILLS #1

INITIAL & FINAL SHUT-IN

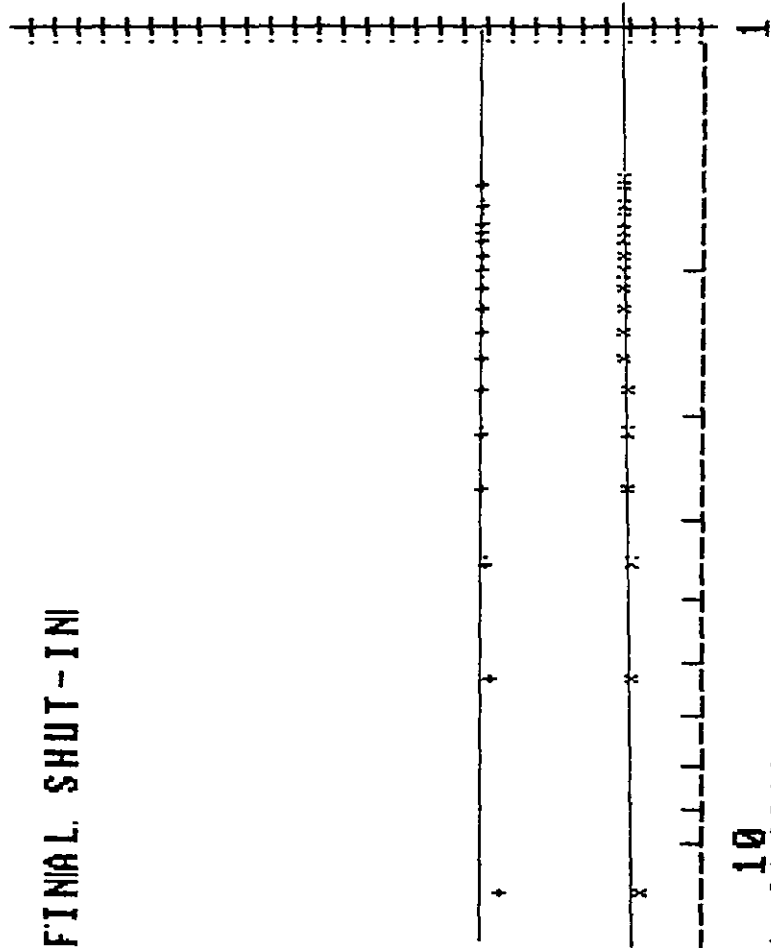
DST #2

INITIAL

FINAL

1018

600



10
(t+dt/dt)

100

LEASE:MILLS #1
 INITIAL SHUT-IN
 DST #:2

=====

RECORDER NO: 13556 DEPTH: 4767 FT.
 INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
=====			
1.5	21.0000	1.322	711.7
3	11.0000	1.041	717.2
4.5	7.6667	0.885	721.3
6	6.0000	0.778	722.7
7.5	5.0000	0.699	724.0
9	4.3333	0.637	725.4
10.5	3.8571	0.586	726.8
12	3.5000	0.544	728.1
13.5	3.2222	0.508	729.5
15	3.0000	0.477	729.5
16.5	2.8182	0.450	729.5
18	2.6667	0.426	729.5
19.5	2.5385	0.405	729.5
21	2.4286	0.385	729.5
22.5	2.3333	0.368	729.5
24	2.2500	0.352	729.5
25.5	2.1765	0.338	729.5
27	2.1111	0.325	729.5
28.5	2.0526	0.312	729.5
30	2.0000	0.301	729.5
31.5	1.9524	0.291	729.5
33	1.9091	0.281	729.5
34.5	1.8696	0.272	729.5
36	1.8333	0.263	729.5
37.5	1.8000	0.255	729.5
39	1.7692	0.248	729.5
40.5	1.7407	0.241	729.5
42	1.7143	0.234	729.5
43.5	1.6897	0.228	729.5
45	1.6667	0.222	729.5
46.5	1.6452	0.216	729.5
48	1.6250	0.211	729.5
49.5	1.6061	0.206	729.5
51	1.5882	0.201	729.5
52.5	1.5714	0.196	729.5
54	1.5556	0.192	729.5
55.5	1.5405	0.188	729.5
57	1.5263	0.184	729.5
58.5	1.5128	0.180	729.5
60	1.5000	0.176	729.5

LEASE:MILLS #1
 DST #:2
 FINAL SHUT-IN

Page 6 of 10 Pages

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RECORDER NO: 13556 DEPTH: 4767 FT.
 TOTAL FLOW TIME: T = 60 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
1.5	41.0000	1.613	625.7
3	21.0000	1.322	631.1
4.5	14.3333	1.156	635.2
6	11.0000	1.041	638.0
7.5	9.0000	0.954	639.3
9	7.6667	0.885	642.1
10.5	6.7143	0.827	642.1
12	6.0000	0.778	642.1
13.5	5.4444	0.736	642.1
15	5.0000	0.699	643.4
16.5	4.6364	0.666	643.4
18	4.3333	0.637	643.4
19.5	4.0769	0.610	643.4
21	3.8571	0.586	643.4
22.5	3.6667	0.564	644.8
24	3.5000	0.544	644.8
25.5	3.3529	0.525	646.2
27	3.2222	0.508	646.2
28.5	3.1053	0.492	646.2
30	3.0000	0.477	646.2
31.5	2.9048	0.463	646.2
33	2.8182	0.450	646.2
34.5	2.7391	0.438	646.2
36	2.6667	0.426	646.2
37.5	2.6000	0.415	646.2
39	2.5385	0.405	647.5
40.5	2.4815	0.395	647.5
42	2.4286	0.385	647.5
43.5	2.3793	0.376	647.5
45	2.3333	0.368	647.5
46.5	2.2903	0.360	647.5
48	2.2500	0.352	647.5
49.5	2.2121	0.345	647.5
51	2.1765	0.338	647.5
52.5	2.1429	0.331	647.5
54	2.1111	0.325	647.5
55.5	2.0811	0.318	647.5
57	2.0526	0.312	647.5
58.5	2.0256	0.307	647.5
60	2.0000	0.301	647.5
61.5	1.9756	0.296	647.5
63	1.9524	0.291	647.5
64.5	1.9302	0.286	647.5

LEASE:MILLS #1
DST #:2
FINAL SHUT-IN

=====

RECORDER NO: 13556 DEPTH: 4767 FT.
TOTAL FLOW TIME: T = 60 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
=====			
66	1.9091	0.281	647.5
67.5	1.8889	0.276	647.5
69	1.8696	0.272	647.5
70.5	1.8511	0.267	647.5
72	1.8333	0.263	647.5
73.5	1.8163	0.259	647.5
75	1.8000	0.255	647.5
76.5	1.7843	0.251	647.5
78	1.7692	0.248	647.5
79.5	1.7547	0.244	647.5
81	1.7407	0.241	647.5
82.5	1.7273	0.237	647.5
84	1.7143	0.234	647.5
85.5	1.7018	0.231	647.5
87	1.6897	0.228	647.5
88.5	1.6780	0.225	647.5
90	1.6667	0.222	647.5
91.5	1.6557	0.219	647.5
93	1.6452	0.216	647.5
94.5	1.6349	0.213	647.5
96	1.6250	0.211	647.5
97.5	1.6154	0.208	647.5
99	1.6061	0.206	647.5
100.5	1.5970	0.203	647.5
102	1.5882	0.201	647.5
103.5	1.5797	0.199	647.5
105	1.5714	0.196	647.5
106.5	1.5634	0.194	647.5
108	1.5556	0.192	647.5
109.5	1.5479	0.190	647.5
111	1.5405	0.188	647.5
112.5	1.5333	0.186	647.5
114	1.5263	0.184	647.5
115.5	1.5195	0.182	647.5
117	1.5128	0.180	647.5
118.5	1.5063	0.178	647.5
120	1.5000	0.176	647.5
121.5	1.4938	0.174	647.5
123	1.4878	0.173	647.5
124.5	1.4819	0.171	647.5
126	1.4762	0.169	647.5
127.5	1.4706	0.167	647.5
129	1.4651	0.166	647.5
130.5	1.4598	0.164	647.5
132	1.4545	0.163	647.5
133.5	1.4494	0.161	647.5
135	1.4444	0.160	647.5
136.5	1.4396	0.158	647.5
138	1.4348	0.157	647.5
139.5	1.4301	0.155	647.5
141	1.4255	0.154	647.5
142.5	1.4211	0.153	647.5
144	1.4167	0.151	648.9
145.5	1.4124	0.150	648.9
147	1.4082	0.149	648.9
148.5	1.4040	0.147	648.9
150	1.4000	0.146	648.9
151.5	1.3960	0.145	648.9

LEASE:MILLS #1
 DST #:2
 FINAL SHUT-IN

=====

RECORDER NO: 13556 DEPTH: 4767 FT.
 TOTAL FLOW TIME: T = 60 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
=====			
153	1.3922	0.144	648.9
154.5	1.3883	0.142	648.9
156	1.3846	0.141	648.9
157.5	1.3810	0.140	648.9
159	1.3774	0.139	648.9
160.5	1.3738	0.138	648.9
162	1.3704	0.137	648.9
163.5	1.3670	0.136	650.3
165	1.3636	0.135	650.3
166.5	1.3604	0.134	650.3
168	1.3571	0.133	650.3
169.5	1.3540	0.132	650.3
171	1.3509	0.131	650.3
172.5	1.3478	0.130	650.3
174	1.3448	0.129	650.3
175.5	1.3419	0.128	650.3
177	1.3390	0.127	650.3
178.5	1.3361	0.126	650.3
180	1.3333	0.125	650.3
181.5	1.3306	0.124	650.3
183	1.3279	0.123	650.3
184.5	1.3252	0.122	650.3
186	1.3226	0.121	650.3
187.5	1.3200	0.121	650.3
189	1.3175	0.120	650.3
190.5	1.3150	0.119	650.3
192	1.3125	0.118	650.3
193.5	1.3101	0.117	650.3
195	1.3077	0.117	650.3
196.5	1.3053	0.116	651.6
198	1.3030	0.115	651.6
199.5	1.3008	0.114	651.6
201	1.2985	0.113	651.6
202.5	1.2963	0.113	651.6
204	1.2941	0.112	651.6
205.5	1.2920	0.111	651.6
207	1.2899	0.111	651.6
208.5	1.2878	0.110	651.6
210	1.2857	0.109	651.6
211.5	1.2837	0.108	651.6
213	1.2817	0.108	651.6
214.5	1.2797	0.107	651.6
216	1.2778	0.106	653.0
217.5	1.2759	0.106	653.0
219	1.2740	0.105	653.0
220.5	1.2721	0.105	653.0
222	1.2703	0.104	653.0
223.5	1.2685	0.103	653.0
225	1.2667	0.103	653.0
226.5	1.2649	0.102	653.0
228	1.2632	0.101	654.4
229.5	1.2614	0.101	654.4
231	1.2597	0.100	654.4
232.5	1.2581	0.100	654.4
234	1.2564	0.099	655.7
235.5	1.2548	0.099	655.7
237	1.2532	0.098	655.7
238.5	1.2516	0.097	655.7
240	1.2500	0.097	655.7

ORIGINAL

06-27-1998

WOOLSEY PETROLEUM CORP.
LEASE: MILLS #1
INITIAL FLOW
DST #:2

Page 9 of 10 Pages

=====
RECORDER NO: 13556 DEPTH: 4767 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	765.0
1.5	767.8
3	765.0
4.5	763.7
6	760.9
7.5	758.2
9	755.5
10.5	751.4
12	748.6
13.5	744.5
15	737.7
16.5	733.6
18	729.5
19.5	726.8
21	725.4
22.5	722.7
24	718.6
25.5	714.5
27	710.4
28.5	706.3
30	703.6

06-27-1998

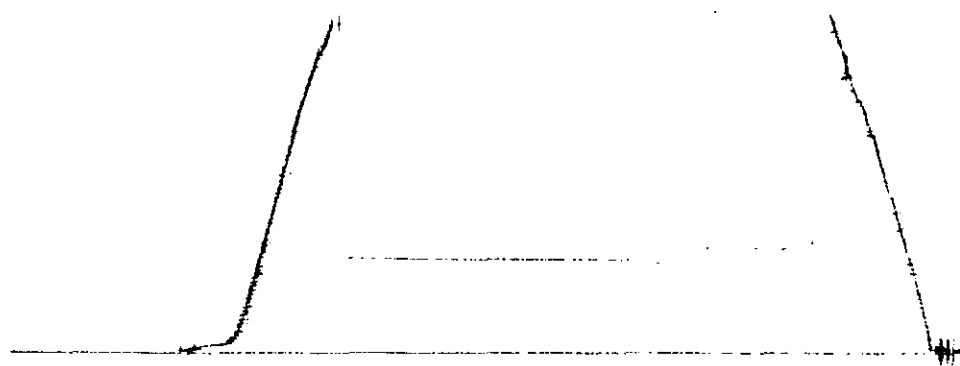
WOOLSEY PETROLEUM CORP.
LEASE: MILLS #1
FINAL FLOW
DST #:2

=====
RECORDER NO: 13556 DEPTH: 4767 FT.
FINAL FLOW TIME: T = 30 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	715.8
1.5	706.3
3	696.7
4.5	692.6
6	688.5
7.5	681.7
9	679.0
10.5	673.5
12	669.4
13.5	666.7
15	663.9
16.5	659.8
18	655.7
19.5	653.0
21	647.5
22.5	642.1
24	638.0
25.5	632.5
27	629.8
28.5	625.7
30	621.6

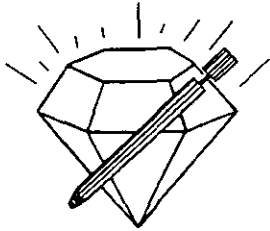
DST #2 outside 13557
 Clock 6913 MISS

4716 - 4770
 LOC 4767



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2268	2248	PSI
(B) First Initial Flow Pressure	765	765	PSI
(C) First Final Flow Pressure	710	704	PSI
(D) Initial Closed-in Pressure	738	730	PSI
(E) Second Initial Flow Pressure	710	715	PSI
(F) Second Final Flow Pressure	628	622	PSI
(G) Final Closed-in Pressure	656	656	PSI
(H) Final Hydrostatic Mud	2268	2254	PSI



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (316) 653-7550

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
 Elevation 1707 KB Formation Mississippi Effective Pay 23 Ft. Ticket No. 1383
 Date 6-28-98 Sec. 30 Twp. 33S Range 14W County Barber State Kansas
 Test Approved By Mikeal K. Maune Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,720 ft. to 4,770 ft. Total Depth 4,770 ft.
 Packer Depth 4,715 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4,720 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

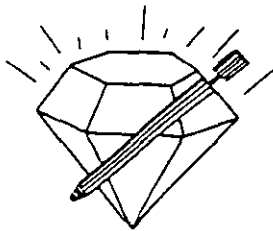
Top Recorder Depth (Inside) 4,702 ft. Recorder Number 13386 Cap. 3,875 psi
 Bottom Recorder Depth (Outside) 4,767 ft. Recorder Number 13556 Cap. 5,475 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
 Mud Type Chemical Viscosity 62 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.1 Water Loss 13.6 cc. Drill Pipe Length 4,689 ft. I.D. 3 1/2 in.
 Chlorides 11,500 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Bowen Serial Number 1 Anchor Length 50 ft. Size 4 1/2 - FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/2 in., blow decreasing. Died in 20 mins.
 2nd Open: Weak, 1/2 in., blow increasing to 1 3/4 ins. Decreasing after 35 mins. to 1 1/2 ins. at end.

Recovered 60 ft. of faint gas odor in pipe
 Recovered 31 ft. of drilling mud = .36859 bbls.
 Recovered 31 ft. of TOTAL FLUID = .36859 bbls.
 Recovered ft. of
 Recovered ft. of
 Remarks Jars set off 15 - 20 times. String weight 58,000. Pulled to 130,000.

Time Set Packer(s) 10:21 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:51 ~~P.M.~~ ^{P.M.} Maximum Temperature 125°
 Initial Hydrostatic Pressure (A) 2267 P.S.I.
 Initial Flow Period Minutes 30 (B) 150 P.S.I. to (C) 260 P.S.I.
 Initial Closed In Period Minutes 60 (D) 495 P.S.I.
 Final Flow Period Minutes 60 (E) 142 P.S.I. to (F) 164 P.S.I.
 Final Closed In Period Minutes 240 (G) 546 P.S.I.
 Final Hydrostatic Pressure (H) 2295 P.S.I.



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

FLUID SAMPLE DATA

Company Woolsey Petroleum Corporation

Lease & Well No. Mills No. 1

Date 6-28-98 Sec. 30 Twp. 33 S Range 14 W

Formation Test No. 3 Interval Tested From 4,720 ft. to 4,770 ft. Total Depth 4,770 ft.

Formation Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>62</u> CP	<u>66</u> CP
Weight	<u>9.1</u>	<u>8.5</u>
Water Loss	<u>13.6</u> CC	<u>26.4</u> CC
PH Factor	<u>11.0</u>	<u>8.5</u>

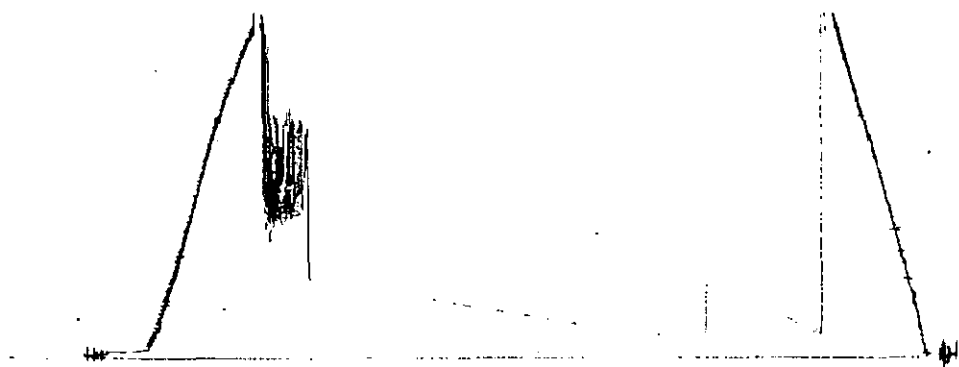
	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.24</u> @ <u>104</u> °F.	<u>18,000</u> ppm
Recovery Mud Filtrate	<u>.24</u> @ <u>102</u> °F.	<u>19,500</u> ppm
Mud Pit Sample	<u>.28</u> @ <u>102</u> °F.	<u>16,000</u> ppm
Mud Pit Sample Filtrate	<u>.36</u> @ <u>98</u> °F.	<u>12,000</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Mikeal K. Maune

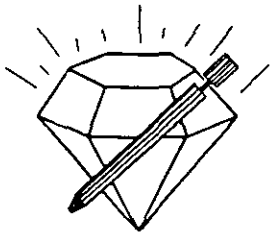
Remarks Pit filtrate triton dish chlorides were 11,500 Ppm.
Recovery filtrate triton dish chlorides were 16,000 Ppm.

DST # 3 outside 1355L 4720-4 770
Clock 6913 Miss LOC 4767



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2267	2268	PSI
(B) First Initial Flow Pressure	150	165	PSI
(C) First Final Flow Pressure	260	265	PSI
(D) Initial Closed-in Pressure	495	503	PSI
(E) Second Initial Flow Pressure	142	150	PSI
(F) Second Final Flow Pressure	164	178	PSI
(G) Final Closed-in Pressure	546	539	PSI
(H) Final Hydrostatic Mud	2295	2270	PSI



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
Elevation 1707 KB Formation Mississippi Effective Pay 3 Ft. Ticket No. 1384
Date 6-29-98 Sec. 30 Twp. 33S Range 14W County Barber State Kansas

Test Approved By Mikeal K. Maune Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 4,715 ft. to 4,770 ft. Total Depth 4,770 ft.
Packer Depth 4,710 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.
Packer Depth 4,715 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,754 ft. Recorder Number 13386 Cap. 3,875 psi
Bottom Recorder Depth (Outside) 4,767 ft. Recorder Number 13556 Cap. 5,475 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.0 Water Loss 22.4 cc. Drill Pipe Length 4,684 ft. I.D. 3 1/2 in.
Chlorides 17,500 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number 1 Anchor Length 55 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

1st Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 1 1/2 mins. Fair, 1 in., blow back during shut-in. (SEE GAS VOLUME REPORT)
2nd Open: Strong blow. Off bottom of bucket immediately.

Recovered 249 ft. of salt water = 2.96061 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 3:46 ~~XXX~~ ^{A.M.} Time Started Off Bottom 10:16 ~~PM~~ ^{A.M.} Maximum Temperature 120°

Initial Hydrostatic Pressure (A) 2268 P.S.I.

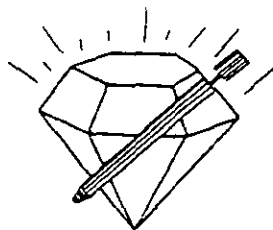
Initial Flow Period Minutes 30 (B) 669 P.S.I. to (C) 587 P.S.I.

Initial Closed In Period Minutes 60 (D) 634 P.S.I.

Final Flow Period Minutes 60 (E) 587 P.S.I. to (F) 478 P.S.I.

Final Closed In Period Minutes 240 (G) 533 P.S.I.

Final Hydrostatic Pressure (H) 2268 P.S.I.



DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Woolsey Petroleum Corporation

Lease & Well No. Mills No. 1

Date 6-29-98 Sec. 30 Twp. 33 S Range 14 W

Formation Test No. 4 Interval Tested From 4,715 ft. to 4,770 ft. Total Depth 4,770 ft.

Formation Mississippi

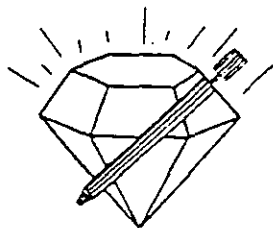
	Half-way in hole w/tool MUD PII	RECOVERY	
Viscosity	<u>51</u> CP	<u>--</u> CP	
Weight	<u>9.0</u>	<u>--</u>	
Water Loss	<u>22.4</u> CC	<u>--</u> CC	
PH Factor	<u>9.5</u>	<u>--</u>	Water <u>5.5</u>

	RESISTIVITY	TEMPERATURE	CHLORIDE CONTENT
Recovery Water	<u>.04</u> @	<u>96</u> °F.	<u>123,000</u> ppm
Recovery Mud	<u>--</u> @	<u>--</u> °F.	<u>--</u> ppm
Recovery Mud Filtrate	<u>--</u> @	<u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>.24</u> @	<u>84</u> °F.	<u>22,000</u> ppm
Mud Pit Sample Filtrate	<u>.28</u> @	<u>84</u> °F.	<u>20,000</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Mikeal K. Maune

Remarks Pit filtrate triton dish chlorides were 17,500 Ppm.
Recovery water dish chlorides were 122,000 Ppm.



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (316) 653-7550
GAS VOLUME REPORT

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
 Date 6-29-98 Sec. 30 Twp. 33 S Rge. 14 W Location 760' FNL & 2100' FEL, SEC County Barber State KS
 Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Formation Mississippi DST No. 4
 Remarks: 1st Open: Gas to surface in 1 1/2 mins. Gas burns nicely.

INITIAL FLOW

Open Tool: 3:46 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
3:51 a.m.	1 1/2 in.	22 psi	2,075
3:56 a.m.	1 1/2 in.	26 psi	2,319
4:01 a.m.	1 1/2 in.	27 psi	2,380
4:06 a.m.	1 1/2 in.	27 psi	2,380
4:11 a.m.	1 1/2 in.	26 psi	2,319
4:16 a.m.	1 1/2 in.	26 psi	2,319

FINAL FLOW

Open Tool: 5:16 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
5:21 a.m.	1 1/2 in.	22 psi	2,075
5:26 a.m.	1 1/2 in.	25 psi	2,258
5:31 a.m.	1 1/2 in.	25 psi	2,258
* 5:36 a.m.	1 1/2 in.	22-23 psi	2,075-2,140
5:41 a.m.	1 1/2 in.	23-24 psi	2,140-2,200
5:46 a.m.	1 1/2 in.	22-23 psi	2,075-2,140
5:51 a.m.	1 1/2 in.	21-22 psi	2,012-2,075
5:56 a.m.	1 1/2 in.	20-21 psi	1,949-2,012
6:01 a.m.	1 1/2 in.	19-20 psi	1,887-1,949
6:06 a.m.	1 1/2 in.	18-19 psi	1,824-1,887
6:11 a.m.	1 1/2 in.	18-19 psi	1,824-1,887
6:16 a.m.	1 1/2 in.	17-18 psi	1,760-1,824

* Heavy mist in 18 mins. Surging.

LEASE:MILLS #1
INITIAL SHUT-IN
DST #:4

=====

RECORDER NO: 13556 DEPTH: 4767 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
1.5	21.0000	1.322	614.8
3	11.0000	1.041	621.6
4.5	7.6667	0.885	628.4
6	6.0000	0.778	631.1
7.5	5.0000	0.699	633.9
9	4.3333	0.637	635.2
10.5	3.8571	0.586	636.6
12	3.5000	0.544	636.6
13.5	3.2222	0.508	636.6
15	3.0000	0.477	636.6
16.5	2.8182	0.450	636.6
18	2.6667	0.426	636.6
19.5	2.5385	0.405	636.6
21	2.4286	0.385	638.0
22.5	2.3333	0.368	638.0
24	2.2500	0.352	638.0
25.5	2.1765	0.338	638.0
27	2.1111	0.325	638.0
28.5	2.0526	0.312	639.3
30	2.0000	0.301	639.3
31.5	1.9524	0.291	639.3
33	1.9091	0.281	639.3
34.5	1.8696	0.272	639.3
36	1.8333	0.263	639.3
37.5	1.8000	0.255	639.3
39	1.7692	0.248	639.3
40.5	1.7407	0.241	639.3
42	1.7143	0.234	639.3
43.5	1.6897	0.228	639.3
45	1.6667	0.222	639.3
46.5	1.6452	0.216	639.3
48	1.6250	0.211	639.3
49.5	1.6061	0.206	640.7
51	1.5882	0.201	640.7
52.5	1.5714	0.196	640.7
54	1.5556	0.192	640.7
55.5	1.5405	0.188	642.1
57	1.5263	0.184	642.1
58.5	1.5128	0.180	642.1
60	1.5000	0.176	642.1

LEASE:MILLS #1
DST #:4
FINAL SHUT-IN

Page 5 of 9 Pages

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RECORDER NO: 13556 DEPTH: 4767 FT.
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
=====			
1.5	61.0000	1.785	489.1
3	31.0000	1.491	498.6
4.5	21.0000	1.322	504.1
6	16.0000	1.204	505.5
7.5	13.0000	1.114	506.8
9	11.0000	1.041	506.8
10.5	9.5714	0.981	506.8
12	8.5000	0.929	508.2
13.5	7.6667	0.885	508.2
15	7.0000	0.845	508.2
16.5	6.4545	0.810	509.6
18	6.0000	0.778	509.6
19.5	5.6154	0.749	509.6
21	5.2857	0.723	509.6
22.5	5.0000	0.699	509.6
24	4.7500	0.677	509.6
25.5	4.5294	0.656	509.6
27	4.3333	0.637	509.6
28.5	4.1579	0.619	509.6
30	4.0000	0.602	509.6
31.5	3.8571	0.586	509.6
33	3.7273	0.571	509.6
34.5	3.6087	0.557	509.6
36	3.5000	0.544	509.6
37.5	3.4000	0.531	509.6
39	3.3077	0.520	509.6
40.5	3.2222	0.508	510.9
42	3.1429	0.497	510.9
43.5	3.0690	0.487	510.9
45	3.0000	0.477	510.9
46.5	2.9355	0.468	510.9
48	2.8750	0.459	510.9
49.5	2.8182	0.450	510.9
51	2.7647	0.442	510.9
52.5	2.7143	0.434	510.9
54	2.6667	0.426	510.9
55.5	2.6216	0.419	510.9
57	2.5789	0.411	510.9
58.5	2.5385	0.405	510.9
60	2.5000	0.398	510.9
61.5	2.4634	0.392	510.9
63	2.4286	0.385	510.9
64.5	2.3953	0.379	510.9

LEASE:MILLS #1
DST #:4
FINAL SHUT-IN

Page 6 of 9 Pages

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RECORDER NO: 13556 DEPTH: 4767 FT.
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
66	2.3636	0.374	512.3
67.5	2.3333	0.368	512.3
69	2.3043	0.363	512.3
70.5	2.2766	0.357	512.3
72	2.2500	0.352	513.7
73.5	2.2245	0.347	513.7
75	2.2000	0.342	513.7
76.5	2.1765	0.338	513.7
78	2.1538	0.333	515.0
79.5	2.1321	0.329	515.0
81	2.1111	0.325	515.0
82.5	2.0909	0.320	515.0
84	2.0714	0.316	515.0
85.5	2.0526	0.312	515.0
87	2.0345	0.308	515.0
88.5	2.0169	0.305	515.0
90	2.0000	0.301	515.0
91.5	1.9836	0.297	515.0
93	1.9677	0.294	515.0
94.5	1.9524	0.291	515.0
96	1.9375	0.287	515.0
97.5	1.9231	0.284	515.0
99	1.9091	0.281	516.4
100.5	1.8955	0.278	516.4
102	1.8824	0.275	516.4
103.5	1.8696	0.272	516.4
105	1.8571	0.269	516.4
106.5	1.8451	0.266	516.4
108	1.8333	0.263	516.4
109.5	1.8219	0.261	516.4
111	1.8108	0.258	516.4
112.5	1.8000	0.255	516.4
114	1.7895	0.253	516.4
115.5	1.7792	0.250	516.4
117	1.7692	0.248	516.4
118.5	1.7595	0.245	516.4
120	1.7500	0.243	516.4
121.5	1.7407	0.241	516.4
123	1.7317	0.238	516.4
124.5	1.7229	0.236	517.8
126	1.7143	0.234	517.8
127.5	1.7059	0.232	517.8
129	1.6977	0.230	517.8
130.5	1.6897	0.228	517.8
132	1.6818	0.226	517.8
133.5	1.6742	0.224	519.1
135	1.6667	0.222	519.1
136.5	1.6593	0.220	519.1
138	1.6522	0.218	519.1
139.5	1.6452	0.216	519.1
141	1.6383	0.214	519.1
142.5	1.6316	0.213	519.1
144	1.6250	0.211	519.1
145.5	1.6186	0.209	519.1
147	1.6122	0.207	519.1
148.5	1.6061	0.206	520.5
150	1.6000	0.204	520.5
151.5	1.5941	0.203	520.5

LEASE:MILLS #1
 DST #:4
 FINAL SHUT-IN

=====

RECORDER NO: 13556 DEPTH: 4767 FT.
 TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
153	1.5882	0.201	520.5
154.5	1.5825	0.199	520.5
156	1.5769	0.198	520.5
157.5	1.5714	0.196	520.5
159	1.5660	0.195	520.5
160.5	1.5607	0.193	521.9
162	1.5556	0.192	521.9
163.5	1.5505	0.190	521.9
165	1.5455	0.189	521.9
166.5	1.5405	0.188	521.9
168	1.5357	0.186	521.9
169.5	1.5310	0.185	521.9
171	1.5263	0.184	521.9
172.5	1.5217	0.182	521.9
174	1.5172	0.181	523.2
175.5	1.5128	0.180	523.2
177	1.5085	0.179	523.2
178.5	1.5042	0.177	523.2
180	1.5000	0.176	523.2
181.5	1.4959	0.175	523.2
183	1.4918	0.174	523.2
184.5	1.4878	0.173	523.2
186	1.4839	0.171	523.2
187.5	1.4800	0.170	523.2
189	1.4762	0.169	523.2
190.5	1.4724	0.168	523.2
192	1.4688	0.167	523.2
193.5	1.4651	0.166	523.2
195	1.4615	0.165	523.2
196.5	1.4580	0.164	523.2
198	1.4545	0.163	523.2
199.5	1.4511	0.162	523.2
201	1.4478	0.161	523.2
202.5	1.4444	0.160	523.2
204	1.4412	0.159	524.6
205.5	1.4380	0.158	524.6
207	1.4348	0.157	524.6
208.5	1.4317	0.156	524.6
210	1.4286	0.155	524.6
211.5	1.4255	0.154	526.0
213	1.4225	0.153	526.0
214.5	1.4196	0.152	526.0
216	1.4167	0.151	526.0
217.5	1.4138	0.150	527.3
219	1.4110	0.150	527.3
220.5	1.4082	0.149	527.3
222	1.4054	0.148	527.3
223.5	1.4027	0.147	527.3
225	1.4000	0.146	527.3
226.5	1.3974	0.145	527.3
228	1.3947	0.144	527.3
229.5	1.3922	0.144	528.7
231	1.3896	0.143	528.7
232.5	1.3871	0.142	528.7
234	1.3846	0.141	528.7
235.5	1.3822	0.141	528.7
237	1.3797	0.140	528.7
238.5	1.3774	0.139	528.7
240	1.3750	0.138	528.7

06-29-1998

WOOLSEY PETROLEUM CORP
LEASE: MILLS #1
INITIAL FLOW
DST #:4

Page 8 of 9 Pages

=====
RECORDER NO: 13556 DEPTH: 4767 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	677.6
1.5	662.6
3	653.0
4.5	644.8
6	642.1
7.5	639.3
9	636.6
10.5	633.9
12	629.8
13.5	627.0
15	624.3
16.5	621.6
18	617.5
19.5	613.4
21	609.3
22.5	606.6
24	602.5
25.5	601.1
27	597.0
28.5	595.6
30	592.9

06-29-1998

WOOLSEY PETROLEUM CORP
LEASE: MILLS #1
FINAL FLOW
DST #:4

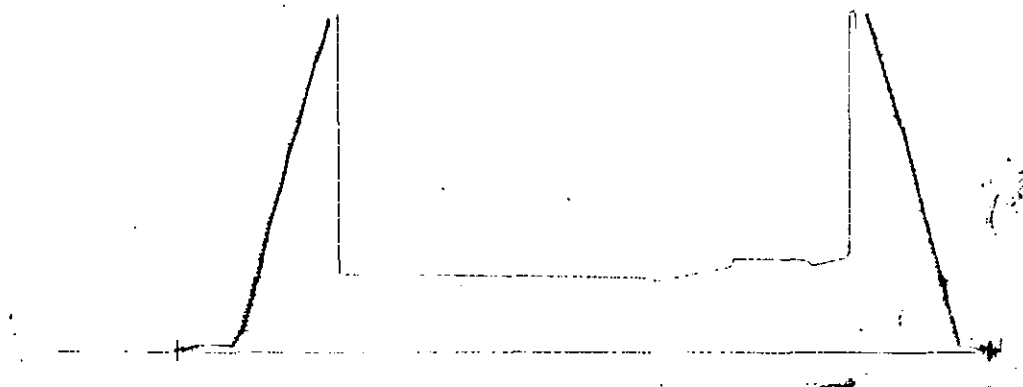
Page 9 of 9 Pages

=====
RECORDER NO: 13556 DEPTH: 4767 FT.
FINAL FLOW TIME: T = 60 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	609.3
1.5	601.1
3	588.8
4.5	580.6
6	576.5
7.5	571.0
9	568.3
10.5	566.9
12	565.6
13.5	562.8
15	560.1
16.5	557.4
18	554.6
19.5	550.5
21	547.8
22.5	545.1
24	543.7
25.5	542.3
27	539.6
28.5	538.3
30	535.5
31.5	531.4
33	528.7
34.5	527.3
36	524.6
37.5	521.9
39	517.8
40.5	515.0
42	512.3
43.5	508.2
45	506.8
46.5	502.7
48	501.4
49.5	498.6
51	497.3
52.5	494.5
54	491.8
55.5	490.4
57	487.7
58.5	485.0
60	482.2

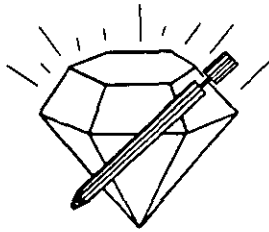
DST # 4 outside 13556
 Clock 6913 Miss

4715-4770
 Loc 4767



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2268	2273	PSI
(B) First Initial Flow Pressure.....	669	678	PSI
(C) First Final Flow Pressure	587	593	PSI
(D) Initial Closed-in Pressure	634	642	PSI
(E) Second Initial Flow Pressure.....	587	609	PSI
(F) Second Final Flow Pressure.....	478	482	PSI
(G) Final Closed-in Pressure.....	533	529	PSI
(H) Final Hydrostatic Mud.....	2268	2273	PSI



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (316) 653-7550

Company Woolsey Petroleum Corporation Lease & Well No. Mills No. 1
 Elevation 1707 KB Formation Viola Effective Pay 15 Ft. Ticket No. 1385
 Date 6-30-98 Sec. 30 Twp. 33S Range 14W County Barber State Kansas
 Test Approved By Mikeal K. Maune Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 5,041 ft. to 5,100 ft. Total Depth 5,100 ft.
 Packer Depth 5,036 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 5,041 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,023 ft. Recorder Number 13386 Cap. 3,875 psi
 Bottom Recorder Depth (Outside) 5,097 ft. Recorder Number 13556 Cap. 5,475 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

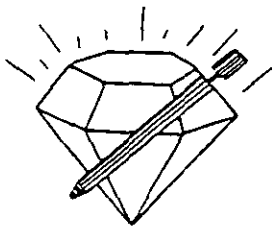
Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
 Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.05 Water Loss 8.0 cc. Drill Pipe Length 5,010 ft. I.D. 3 1/2 in.
 Chlorides 10,500 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Bowen Serial Number 1 Anchor Length 27' perf. w/32' drill pipe Size 4 1/2 - FH in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow 1st Open: Good, 4 in., blow increasing. Off bottom of bucket in 5 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket inmediately. No blow back during shut-in.

Recovered 2,600 ft. of faint, intermittent, gas odor
 Recovered 900 ft. of strong gas in pipe
 Recovered 25 ft. of drilling mud = .29725 bbls.
 Recovered 25 ft. of TOTAL FLUID = .29725 bbls.
 Recovered ft. of

Remarks

Time Set Packer(s)	<u>11:40</u>	P.M.	Time Started Off Bottom	<u>4:40</u>	P.M.	Maximum Temperature	<u>122°</u>
Initial Hydrostatic Pressure			(A)	<u>2459</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>82</u>	P.S.I. to (C)	<u>55</u>	P.S.I.
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>1475</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>82</u>	P.S.I. to (F)	<u>55</u>	P.S.I.
Final Closed In Period	Minutes	<u>180</u>	(G)	<u>1995</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2459</u>	P.S.I.		



DIAMOND TESTING
 P. O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

FLUID SAMPLE DATA

Company Woolsey Petroleum Corporation
 Lease & Well No. Mills No. 1
 Date 6-30-98 Sec. 30 Twp. 33 S Range 14 W
 Formation Test No. 5 Interval Tested From 5,041 ft. to 5,100 ft. Total Depth 5,100 ft.
 Formation Viola

	Circulating @ flow line MUD PIT	RECOVERY
Viscosity	<u>49</u> CP	<u>48</u> CP
Weight	<u>9.05</u>	<u>8.9</u>
Water Loss	<u>8.0</u> CC	<u>8.0</u> CC
PH Factor	<u>10.5</u>	<u>10.5</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.40</u> @ <u>76</u> °F.	<u>14,000</u> ppm
Recovery Mud Filtrate	<u>.44</u> @ <u>78</u> °F.	<u>13,000</u> ppm
Mud Pit Sample	<u>.34</u> @ <u>88</u> °F.	<u>14,500</u> ppm
Mud Pit Sample Filtrate	<u>.37</u> @ <u>88</u> °F.	<u>14,000</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Mikeal K. Maune

Remarks Pit filtrate triton dish chlorides were 10,500 Ppm.
Recovery filtrate triton dish chlorides were 10,000 Ppm.

37-01-1998 WOOLSEY PETROLEUM CORP.

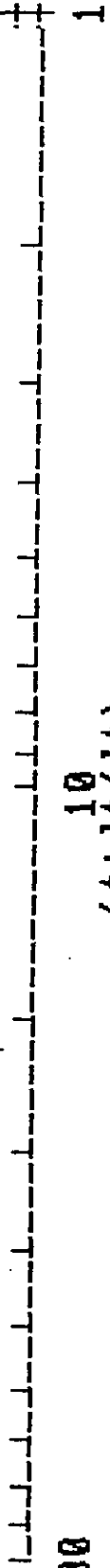
MILLS #1

INITIAL SHUT-IN

DST #5

1786

0



100

10

(t+dt/dt)

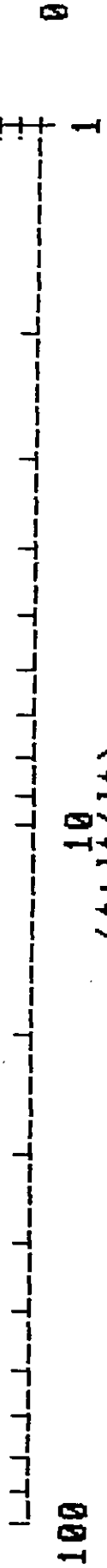
07-01-1998 WOOLSEY PETROLEUM CORP.

MILLS #1

DST #5

FINAL SHUT-IN

2318



100

10
(t+dt/dt)

0

LEASE:MILLS #1
INITIAL SHUT-IN
DST #:5

Page 5 of 10 Pages

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RECORDER NO: 13556 DEPTH: 5097 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
1.5	21.0000	1.322	87.4
3	11.0000	1.041	150.3
4.5	7.6667	0.885	209.0
6	6.0000	0.778	254.1
7.5	5.0000	0.699	311.5
9	4.3333	0.637	356.6
10.5	3.8571	0.586	407.1
12	3.5000	0.544	464.5
13.5	3.2222	0.508	504.1
15	3.0000	0.477	554.6
16.5	2.8182	0.450	591.5
18	2.6667	0.426	629.8
19.5	2.5385	0.405	673.5
21	2.4286	0.385	707.7
22.5	2.3333	0.368	752.7
24	2.2500	0.352	799.2
25.5	2.1765	0.338	825.1
27	2.1111	0.325	857.9
28.5	2.0526	0.312	898.9
30	2.0000	0.301	939.9
31.5	1.9524	0.291	961.7
33	1.9091	0.281	1001.4
34.5	1.8696	0.272	1036.9
36	1.8333	0.263	1066.9
37.5	1.8000	0.255	1098.4
39	1.7692	0.248	1121.6
40.5	1.7407	0.241	1153.0
42	1.7143	0.234	1183.1
43.5	1.6897	0.228	1213.1
45	1.6667	0.222	1239.1
46.5	1.6452	0.216	1260.9
48	1.6250	0.211	1291.0
49.5	1.6061	0.206	1315.6
51	1.5882	0.201	1342.9
52.5	1.5714	0.196	1364.8
54	1.5556	0.192	1382.5
55.5	1.5405	0.188	1409.8
57	1.5263	0.184	1433.1
58.5	1.5128	0.180	1452.2
60	1.5000	0.176	1468.6

LEASE:MILLS #1
DST #:5
FINAL SHUT-IN

Page 6 of 10 Pages

=====

RECORDER NO: 13556 DEPTH: 5097 FT.
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
1.5	61.0000	1.785	90.2
3	31.0000	1.491	129.8
4.5	21.0000	1.322	180.3
6	16.0000	1.204	219.9
7.5	13.0000	1.114	256.8
9	11.0000	1.041	312.8
10.5	9.5714	0.981	357.9
12	8.5000	0.929	388.0
13.5	7.6667	0.885	430.3
15	7.0000	0.845	475.4
16.5	6.4545	0.810	512.3
18	6.0000	0.778	550.5
19.5	5.6154	0.749	591.5
21	5.2857	0.723	629.8
22.5	5.0000	0.699	663.9
24	4.7500	0.677	691.3
25.5	4.5294	0.656	729.5
27	4.3333	0.637	766.4
28.5	4.1579	0.619	791.0
30	4.0000	0.602	827.9
31.5	3.8571	0.586	860.7
33	3.7273	0.571	889.3
34.5	3.6087	0.557	923.5
36	3.5000	0.544	952.2
37.5	3.4000	0.531	982.2
39	3.3077	0.520	1013.7
40.5	3.2222	0.508	1038.3
42	3.1429	0.497	1068.3
43.5	3.0690	0.487	1092.9
45	3.0000	0.477	1117.5
46.5	2.9355	0.468	1150.3
48	2.8750	0.459	1180.3
49.5	2.8182	0.450	1196.7
51	2.7647	0.442	1217.2
52.5	2.7143	0.434	1239.1
54	2.6667	0.426	1267.8
55.5	2.6216	0.419	1292.4
57	2.5789	0.411	1314.2
58.5	2.5385	0.405	1334.7
60	2.5000	0.398	1362.0
61.5	2.4634	0.392	1379.8
63	2.4286	0.385	1403.0
64.5	2.3953	0.379	1424.9

LEASE:MILLS #1
 DST #:5
 FINAL SHUT-IN

=====

RECORDER NO: 13556 DEPTH: 5097 FT.
 TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
66	2.3636	0.374	1439.9
67.5	2.3333	0.368	1461.7
69	2.3043	0.363	1478.1
70.5	2.2766	0.357	1495.9
72	2.2500	0.352	1515.0
73.5	2.2245	0.347	1527.3
75	2.2000	0.342	1547.8
76.5	2.1765	0.338	1562.8
78	2.1538	0.333	1580.6
79.5	2.1321	0.329	1597.0
81	2.1111	0.325	1609.3
82.5	2.0909	0.320	1623.0
84	2.0714	0.316	1639.3
85.5	2.0526	0.312	1653.0
87	2.0345	0.308	1668.0
88.5	2.0169	0.305	1683.1
90	2.0000	0.301	1694.0
91.5	1.9836	0.297	1704.9
93	1.9677	0.294	1717.2
94.5	1.9524	0.291	1732.2
96	1.9375	0.287	1740.4
97.5	1.9231	0.284	1754.1
99	1.9091	0.281	1762.3
100.5	1.8955	0.278	1771.9
102	1.8824	0.275	1784.2
103.5	1.8696	0.272	1793.7
105	1.8571	0.269	1801.9
106.5	1.8451	0.266	1810.1
108	1.8333	0.263	1816.9
109.5	1.8219	0.261	1826.5
111	1.8108	0.258	1833.3
112.5	1.8000	0.255	1840.2
114	1.7895	0.253	1847.0
115.5	1.7792	0.250	1849.7
117	1.7692	0.248	1856.6
118.5	1.7595	0.245	1863.4
120	1.7500	0.243	1867.5
121.5	1.7407	0.241	1874.3
123	1.7317	0.238	1879.8
124.5	1.7229	0.236	1885.2
126	1.7143	0.234	1889.3
127.5	1.7059	0.232	1893.4
129	1.6977	0.230	1898.9
130.5	1.6897	0.228	1903.0
132	1.6818	0.226	1907.1
133.5	1.6742	0.224	1911.2
135	1.6667	0.222	1915.3
136.5	1.6593	0.220	1920.8
138	1.6522	0.218	1923.5
139.5	1.6452	0.216	1926.2
141	1.6383	0.214	1930.3
142.5	1.6316	0.213	1934.4
144	1.6250	0.211	1937.2
145.5	1.6186	0.209	1939.9
147	1.6122	0.207	1942.6
148.5	1.6061	0.206	1944.0
150	1.6000	0.204	1945.4
151.5	1.5941	0.203	1946.7

LEASE:MILLS #1
DST #:5
FINAL SHUT-IN

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RECORDER NO: 13556 DEPTH: 5097 FT.
TOTAL FLOW TIME: T = 90 MIN.

DT(MIN)	T+DT/DT	LOG((T+DT)/DT)	PRESS(P SIG)
153	1.5882	0.201	1949.5
154.5	1.5825	0.199	1952.2
156	1.5769	0.198	1953.6
157.5	1.5714	0.196	1954.9
159	1.5660	0.195	1956.3
160.5	1.5607	0.193	1959.0
162	1.5556	0.192	1959.0
163.5	1.5505	0.190	1959.0
165	1.5455	0.189	1960.4
166.5	1.5405	0.188	1960.4
168	1.5357	0.186	1960.4
169.5	1.5310	0.185	1961.7
171	1.5263	0.184	1963.1
172.5	1.5217	0.182	1964.5
174	1.5172	0.181	1965.8
175.5	1.5128	0.180	1967.2
177	1.5085	0.179	1967.2
178.5	1.5042	0.177	1967.2
180	1.5000	0.176	1967.2

07-01-1998

WOOLSEY PETROLEUM CORP.
LEASE: MILLS #1
INITIAL FLOW
DST #:5

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RECORDER NO: 13556 DEPTH: 5097 FT.
INITIAL FLOW TIME: T = 30 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	91.5
1.5	77.9
3	71.0
4.5	68.3
6	62.8
7.5	62.8
9	62.8
10.5	62.8
12	62.8
13.5	62.8
15	61.5
16.5	61.5
18	61.5
19.5	61.5
21	61.5
22.5	61.5
24	61.5
25.5	61.5
27	61.5
28.5	61.5
30	61.5

07-01-1998

WOOLSEY PETROLEUM CORP.
LEASE: MILLS #1
FINAL FLOW
DST #:5

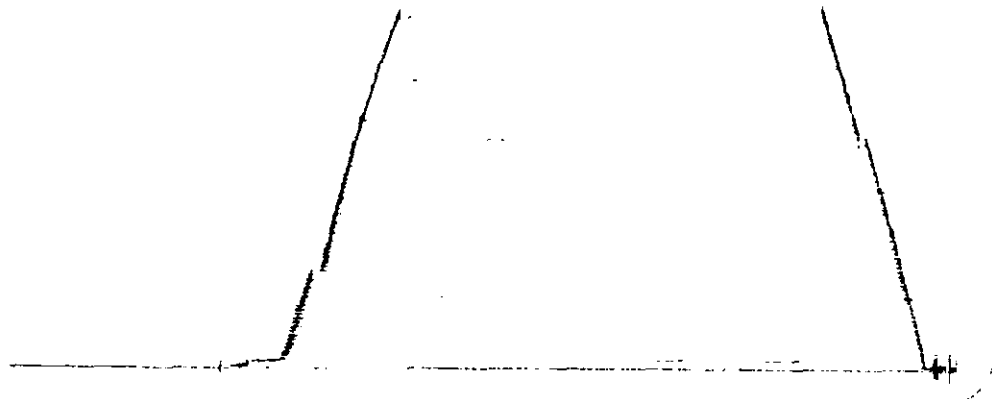
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RECORDER NO: 13556 DEPTH: 5097 FT.
FINAL FLOW TIME: T = 30 MIN.

DT(MIN)	PRESSURE(P SIG)
=====	
0	87.4
1.5	77.9
3	68.3
4.5	61.5
6	61.5
7.5	61.5
9	61.5
10.5	60.1
12	60.1
13.5	60.1
15	60.1
16.5	58.7
18	58.7
19.5	58.7
21	58.7
22.5	58.7
24	58.7
25.5	58.7
27	58.7
28.5	58.7
30	58.7

DST # 5 outside 13556
 Clock 6913 Viola

5041 - 5100
 LOC 5097



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2459	2469	PSI
(B) First Initial Flow Pressure.....	82	92	PSI
(C) First Final Flow Pressure	55	62	PSI
(D) Initial Closed-in Pressure	1475	1469	PSI
(E) Second Initial Flow Pressure	82	87	PSI
(F) Second Final Flow Pressure.....	55	59	PSI
(G) Final Closed-in Pressure.....	1995	1967	PSI
(H) Final Hydrostatic Mud	2459	2462	PSI