

21288-0000

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

CONFIDENTIAL

API NO. 15- 155-21,288-258 ORIGINAL
County Reno
NW - NW - SW - Sec. 36 Twp. 23 Rge. 4 X E

Operator: License # 3613

Name: HALLWOOD PETROLEUM, INC.

Address 4582 S. Ulster St. Parkway
Denver, CO 80237 #1700

City/State/Zip _____

Purchaser: KOCH

Operator Contact Person: BRUCE HOFFMAN

Phone (303) 850-6257

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: JAMES MUSGROVE

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth JAN 1 1

Deepening Re-perf. _____

Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

9/02/93 9/08/93 10-4-93

Spud Date Date Reached TD Completion Date

2310 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

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

Lease Name BAUGHMAN Well # 3

Field Name Burton

Producing Formation MISSISSIPPI OSAGE

Elevation: Ground 1463 KB 1468

Total Depth 3412' PBDT _____

Amount of Surface Pipe Set and Cemented at 701 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/ _____ sz cat.

Drilling Fluid Management Plan ALT 1 Q 7 6-23-94
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used RELEASED

Location of fluid disposal if HAUL OFF SITE 4/19/96

Operator Name FROM CONFIDENTIAL

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Columbia 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 Bruce Hoffman

Title SR Tech Date 1-11-94

Subscribed and sworn to before me this 11th day of Jan. 19 94.

Notary Public John M. Christian

Date Commission Expires 9/11/97

RECEIVED STATE CORPORATION COMMISSION 1-15-94
K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
DISTRIBUTION
 KCC SWD/Rop NGPA
 KGS Plug Other
(Specify)

Operator Name HALLWOOD PETROLEUM, INC. Lease Name Baughman Well # 3

Sec. 36 Twp. 23 Rge. 4 East West
 County Reno

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 type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	2334	- 866
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Douglas	2388	- 920
List All E.Logs Run:		Brown line	2511	-1043
		Lansing	2535	-1067
		Base K.C.	2975	-1507
		Cherokee Shale	3119	-1651
		Miss. Conglom.	3252	-1784
		Miss. Lime	3261	-1793
		Miss. Osage	3305	-1837
		Rotary T.D.	3412	-1944

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
Conductor	17-5/8"	13-3/4"	48#	210'	Common	300	3%cc 2%gel
Surface	12-1/4"	8-5/8"	25#	701'	HowcoLite 60/40poz	240 100	3%cc, 6%gel, 18%salt, flocc
Production	7-7/8"	5-1/2"	14.5#	3407'	Common	225	10% salt HALAD 322 FLOCELE

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
4	3352'	3354'	300 GAL	15% HCl acid	3336'-3344'
4	3336'	3344'			
4	3316'	3318'	300 GAL	15% Hc acid	3316'-3318'

TUBING RECORD Size 2 7/8" Set At 3384' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 10-9-94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>2</u> Bbls.	Gas <u>0</u> Mcf	Water <u>415</u> Bbls.	Gas-Oil Ratio	Gravity
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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 3316' - 3354'

ORIGINAL

KCC

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CONFIDENTIAL

FORMATION

TEST CONFIDENTIAL

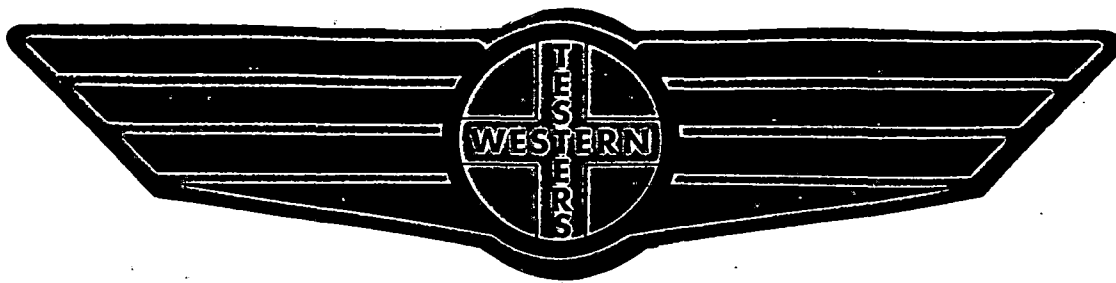
REPORT

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

COMPANY HALLWOOD PETROLEUM, INC. LEASE & WELL NO. #3 BAUGHMAN SEC. 36 TWP. 23S RGE. 4W TEST NO. 1 DATE 9/7/93
API#15-155-21 288



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

RECEIVED
STATE CORPORATION COMMISSION
JAN 13 1994
CONSERVATION DIVISION
Wichita, Kansas

DST REPORT

GENERAL INFORMATION

DATE : 9-7-93	TICKET : 19170
CUSTOMER : HALLWOOD PETROLEUM, INC.	LEASE : BAUGHMAN
WELL : #3 TEST: 1	GEOLOGIST: MUSGROVE
ELEVATION: 1475 K.B.	FORMATION: MISSISSIPPI
SECTION : 36	TOWNSHIP : 23S
RANGE : 4W COUNTY: RENO	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3298.00 ft	TO: 3322.00 ft	TVD: 3322.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: GAS
DEPTH OF RECORDERS: 3314.0 ft	3317.0 ft	
TEMPERATURE: 116.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3278.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 24.0 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: 3293.0 ft	SIZE:	6.630 in
PACKER DEPTH: 3298.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : ALLEN DRLG. #12	
MUD TYPE : CHEMICAL	VISCOSITY : 45.00 cp
WEIGHT : 9.400 ppg	WATER LOSS: 9.600 cc
CHLORIDES : 1700 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

WEAK BUILDING 1/2" TO 3" BLOW ON INITIAL FLOW PERIOD. WEAK BUILDING TO A FAIR 1" TO 5.5" BLOW ON FINAL FLOW PERIOD.

ORIGINAL

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DST REPORT (CONTINUED)

FLUID RECOVERY

1100

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Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
80.0	15.0	42.0	0.0	43.0	H. OIL CUT GASSY MUD
40.0	4.0	0.0	56.0	40.0	OIL CUT MUDDY WATER
0.0	0.0	0.0	0.0	0.0	480' GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	CHLORIDES 21000 PPM

RATE INFORMATION

OIL VOLUME:	0.1908	STB	TOTAL FLOW TIME:	95.0000	min.
GAS VOLUME:	2.6463	SCF	AVERAGE OIL RATE:	10.4321	STB/D
MUD VOLUME:	0.7069	STB	AVERAGE WATER RATE:	7.9374	STB/D
WATER VOLUME:	0.3142	STB			
TOTAL FLUID :	1.2119	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1630.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	41.00	52.00
INITIAL SHUT-IN	60.00		468.00
FINAL FLOW	60.00	62.00	72.00
FINAL SHUT-IN	120.00		468.00

FINAL HYDROSTATIC PRESSURE: 1599.00

RELEASED

MAR 14 1996

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1658.00

FROM CONFIDENTIAL

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	64.00
INITIAL SHUT-IN	60.00		482.00
FINAL FLOW	65.00	73.00	85.00
FINAL SHUT-IN	123.00		482.00

FINAL HYDROSTATIC PRESSURE: 1620.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-7-93	TICKET : 19170
CUSTOMER : HALLWOOD PETROLEUM, INC.	LEASE : BAUGHMAN
WELL : #3 TEST: 1	GEOLOGIST: MUSGROVE
ELEVATION: 1475 K.B.	FORMATION: MISSISSIPPI
SECTION : 36	TOWNSHIP : 23S
RANGE : 4W	COUNTY: RENO
GAUGE SN#: 10270	RANGE : 4150
	STATE : KS
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	58.00	58.00
5.00	58.00	0.00
10.00	58.00	0.00
15.00	58.00	0.00
20.00	58.00	0.00
25.00	60.00	2.00
30.00	64.00	4.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	114.00	114.00	0.00
6.00	313.00	199.00	0.00
9.00	398.00	85.00	0.00
12.00	422.00	24.00	0.00
15.00	437.00	15.00	0.00
18.00	448.00	11.00	0.00
21.00	454.00	6.00	0.00
24.00	460.00	6.00	0.00
27.00	468.00	8.00	0.00
30.00	472.00	4.00	0.00
33.00	475.00	3.00	0.00
36.00	477.00	2.00	0.00
39.00	479.00	2.00	0.00
42.00	480.00	1.00	0.00
45.00	481.00	1.00	0.00
48.00	481.00	0.00	0.00
51.00	481.00	0.00	0.00
54.00	482.00	1.00	0.00
57.00	482.00	0.00	0.00

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PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

ORIGINAL KCC

Time (min)	Pressure	Delta P
60.00	482.00	0.00

JAN 1 11 —
Horner T 0.00
CONFIDENTIAL

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	73.00	73.00
5.00	73.00	0.00
10.00	73.00	0.00
15.00	73.00	0.00
20.00	74.00	1.00
25.00	75.00	1.00
30.00	76.00	1.00
35.00	77.00	1.00
40.00	78.00	1.00
45.00	79.00	1.00
50.00	81.00	2.00
55.00	83.00	2.00
60.00	84.00	1.00
65.00	85.00	1.00

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MAR 1 4 1996

FROM CONFIDENTIAL

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	213.00	213.00	0.00
6.00	359.00	146.00	0.00
9.00	418.00	59.00	0.00
12.00	437.00	19.00	0.00
15.00	450.00	13.00	0.00
18.00	458.00	8.00	0.00
21.00	464.00	6.00	0.00
24.00	466.00	2.00	0.00
27.00	468.00	2.00	0.00
30.00	470.00	2.00	0.00
33.00	472.00	2.00	0.00
36.00	474.00	2.00	0.00
39.00	475.00	1.00	0.00
42.00	476.00	1.00	0.00
45.00	477.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
48.00	478.00	1.00	0.00
51.00	479.00	1.00	0.00
54.00	480.00	1.00	0.00
57.00	480.00	0.00	0.00
60.00	480.00	0.00	0.00
63.00	481.00	1.00	0.00
66.00	481.00	0.00	0.00
69.00	481.00	0.00	0.00
72.00	481.00	0.00	0.00
75.00	482.00	1.00	0.00
78.00	482.00	0.00	0.00
81.00	482.00	0.00	0.00
84.00	482.00	0.00	0.00
87.00	482.00	0.00	0.00
90.00	482.00	0.00	0.00
93.00	482.00	0.00	0.00
96.00	482.00	0.00	0.00
99.00	482.00	0.00	0.00
102.00	482.00	0.00	0.00
105.00	482.00	0.00	0.00
108.00	482.00	0.00	0.00
111.00	482.00	0.00	0.00
114.00	482.00	0.00	0.00
117.00	482.00	0.00	0.00
120.00	482.00	0.00	0.00
123.00	482.00	0.00	0.00

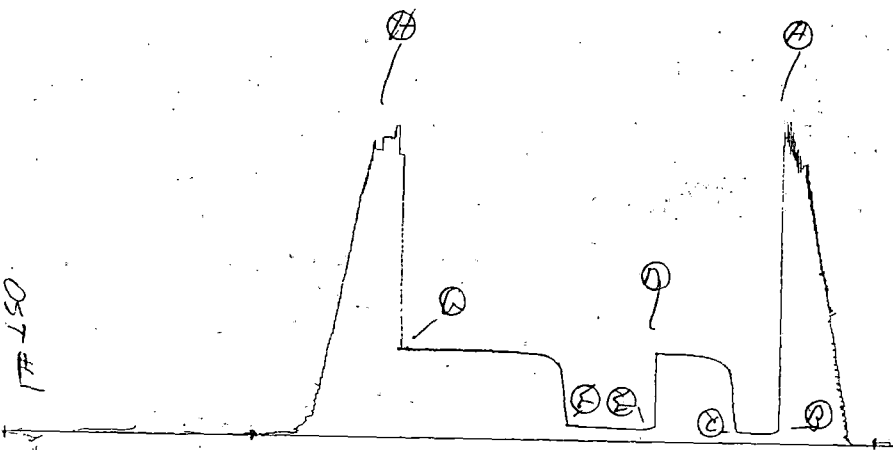
DJF 19170

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CONFIDENTIAL

ORIGINAL

OST #1
10270



Inside Recorder

DJF 19170

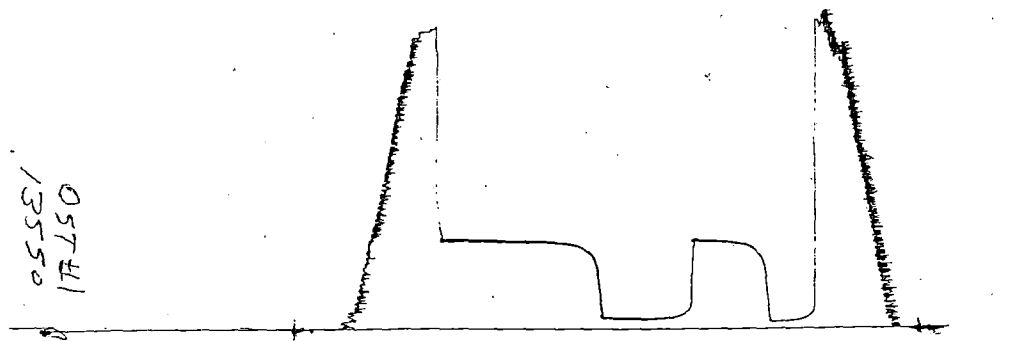
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MAR 14 1996

FROM CONFIDENTIAL

OST #1
13550



Outside Recorder

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FORMATION

CONFIDENTIAL

TEST

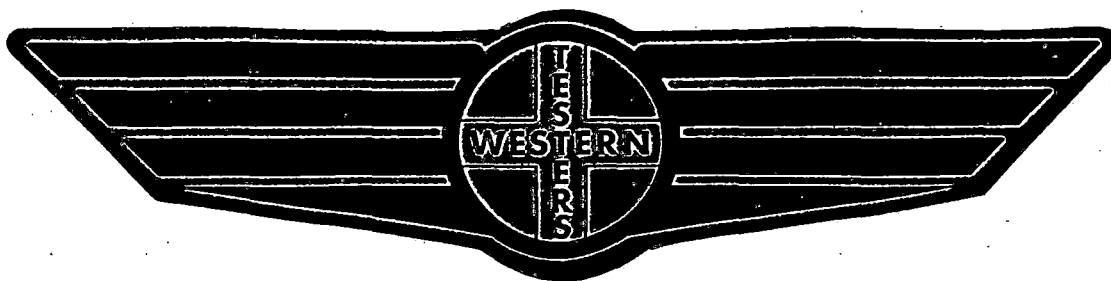
REPORT

RELEASED

MAR 1 4 1996

FROM CONFIDENTIAL

COMPANY HALLWOOD PETROLEUM, INC. LEASE & WELL NO. #3 BAUGHMAN SEC. 36 TWP. 23S RGE. 4W TEST NO. 2 DATE 9/8/93
API# 15-155-21288



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 9-7-93
CUSTOMER : HALLWOOD PETROLEUM, INC.
WELL : #3 TEST: 2
ELEVATION: 1475 K.B.
SECTION : 36
RANGE : 4W COUNTY: RENO
GAUGE SN#: 10270 RANGE : 4150
TICKET : 19171
LEASE : BAUGHMAN
GEOLOGIST: MUSGROVE
FORMATION: MISSISSIPPI
TOWNSHIP : 23S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3322.00 ft TO: 3336.00 ft TVD: 3336.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 3328.0 ft 3331.0 ft
TEMPERATURE: 118.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH: 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3302.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 14.0 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: 3317.0 ft SIZE: 6.630 in
PACKER DEPTH: 3322.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : ALLEN DRLG. #12
MUD TYPE : CHEMICAL
WEIGHT : 9.300 ppg
CHLORIDES : 1700 ppm
JARS-MAKE :
DID WELL FLOW?: NO
VISCOSITY : 46.00 cp
WATER LOSS: 9.600 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BUILDING TO GOOD 1/2" TO 6.5" BLOW ON INITIAL
FLOW PERIOD. WEAK BUILDING TO STRONG BLOW IN 50
MINUTES - 1/2" TO BOTTOM OF BUCKET ON FINAL FLOW

CONFIDENTIAL

DST REPORT (CONTINUED)

ORIGINAL

KCC

COMMENTS (CONTINUED)

JAN 1 11

Comment

CONFIDENTIAL

PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	100.0	0.0	0.0	0.0	CLEAN OIL GRAVITY 41
80.0	5.0	0.0	54.0	41.0	OIL C/MUDDY WATER
60.0	1.0	0.0	69.0	30.0	SLI. OIL C/MUDDY WATER
240.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 610000 PPM
0.0	0.0	0.0	0.0	0.0	270' GAS ABOVE FUIILD

RATE INFORMATION

OIL VOLUME:	0.2048 STB				
GAS VOLUME:	0.0000 SCF				TOTAL FLOW TIME: 90.0000 min.
MUD VOLUME:	0.7125 STB				AVERAGE OIL RATE: 3.9581 STB/D
WATER VOLUME:	4.5530 STB				AVERAGE WATER RATE: 83.5664 STB/D
TOTAL FLUID :	5.4703 STB				

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1672.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	72.00	93.00
INITIAL SHUT-IN	60.00		489.00
FINAL FLOW	60.00	124.00	177.00
FINAL SHUT-IN	120.00		489.00

FINAL HYDROSTATIC PRESSURE: 1661.00

RELEASED

MAR 1 4 1996

FROM CONFIDENTIAL

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1688.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	70.00	92.00
INITIAL SHUT-IN	63.00		488.00
FINAL FLOW	60.00	126.00	182.00
FINAL SHUT-IN	123.00		494.00

FINAL HYDROSTATIC PRESSURE: 1657.00

RECEIVED

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OFFICE OF THE DIRECTOR

CONFIDENTIAL

PRESSURE TRANSIENT REPORT

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JAN 11

GENERAL INFORMATION

DATE : 9-7-93
 CUSTOMER : HALLWOOD PETROLEUM, INC.
 WELL : #3 TEST: 2
 ELEVATION: 1475 K.B.
 SECTION : 36
 RANGE : 4W COUNTY: RENO
 GAUGE SN#: 10270 RANGE : 4150

TICKET : 19171
 LEASE : BAUGHMAN
 GEOLOGIST: MUSGROVE
 FORMATION: MISSISSIPPI
 TOWNSHIP : 23S
 STATE : KS
 CLOCK : 12

CONFIDENTIAL

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	70.00	70.00
5.00	70.00	0.00
10.00	72.00	2.00
15.00	75.00	3.00
20.00	80.00	5.00
25.00	87.00	7.00
30.00	92.00	5.00

ORIGINAL

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	404.00	404.00	0.00
6.00	437.00	33.00	0.00
9.00	447.00	10.00	0.00
12.00	458.00	11.00	0.00
15.00	465.00	7.00	0.00
18.00	472.00	7.00	0.00
21.00	476.00	4.00	0.00
24.00	478.00	2.00	0.00
27.00	479.00	1.00	0.00
30.00	480.00	1.00	0.00
33.00	481.00	1.00	0.00
36.00	482.00	1.00	0.00
39.00	483.00	1.00	0.00
42.00	484.00	1.00	0.00
45.00	485.00	1.00	0.00
48.00	486.00	1.00	0.00
51.00	487.00	1.00	0.00
54.00	488.00	1.00	0.00
57.00	488.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	488.00	0.00	0.00
63.00	488.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	126.00	126.00
5.00	126.00	0.00
10.00	126.00	0.00
15.00	132.00	6.00
20.00	137.00	5.00
25.00	143.00	6.00
30.00	148.00	5.00
35.00	152.00	4.00
40.00	157.00	5.00
45.00	162.00	5.00
50.00	170.00	8.00
55.00	175.00	5.00
60.00	182.00	7.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	417.00	417.00	0.00
6.00	435.00	18.00	0.00
9.00	449.00	14.00	0.00
12.00	463.00	14.00	0.00
15.00	468.00	5.00	0.00
18.00	472.00	4.00	0.00
21.00	474.00	2.00	0.00
24.00	476.00	2.00	0.00
27.00	478.00	2.00	0.00
30.00	480.00	2.00	0.00
33.00	481.00	1.00	0.00
36.00	482.00	1.00	0.00
39.00	483.00	1.00	0.00
42.00	484.00	1.00	0.00
45.00	485.00	1.00	0.00

CONFIDENTIAL

PRESSURE TRANSIENT REPORT (CONTINUED)

ORIGINAL

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
48.00	486.00	1.00	0.00
51.00	487.00	1.00	0.00
54.00	488.00	1.00	0.00
57.00	489.00	1.00	0.00
60.00	489.00	0.00	0.00
63.00	490.00	1.00	0.00
66.00	490.00	0.00	0.00
69.00	491.00	1.00	0.00
72.00	491.00	0.00	0.00
75.00	491.00	0.00	0.00
78.00	492.00	1.00	0.00
81.00	492.00	0.00	0.00
84.00	492.00	0.00	0.00
87.00	492.00	0.00	0.00
90.00	492.00	0.00	0.00
93.00	493.00	1.00	0.00
96.00	493.00	0.00	0.00
99.00	493.00	0.00	0.00
102.00	493.00	0.00	0.00
105.00	493.00	0.00	0.00
108.00	494.00	1.00	0.00
111.00	494.00	0.00	0.00
114.00	494.00	0.00	0.00
117.00	494.00	0.00	0.00
120.00	494.00	0.00	0.00
123.00	494.00	0.00	0.00

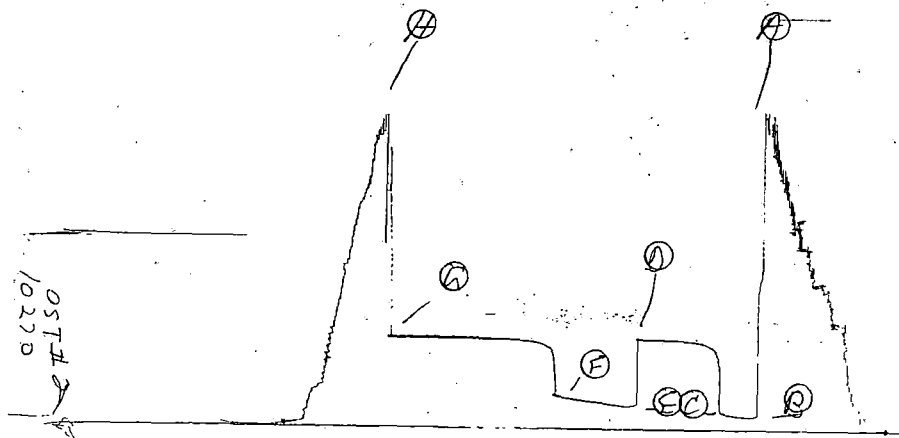
RELEASED

MAR 14 1996

FROM CONFIDENTIAL

KT 19171
7

CONFIDENTIAL



ORIGINAL

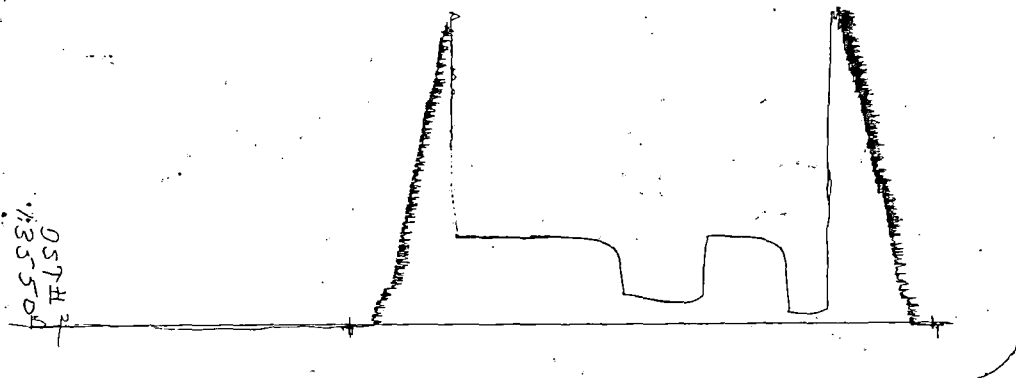
Inside Recorder

KT 19171
0

RELEASED

MAR 14 1996

FROM CONFIDENTIAL



Outside Recorder

ORIGINAL

INVOICE ORIGINAL



HALLIBURTON ENERGY SERVICES
CONFIDENTIAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
509761	09/03/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
AUGHMAN 3		RENO		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
PRATT	ALLEN DRLG.	CEMENT SURFACE CASING			09/03/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55880	GEORGE HUTTON			COMPANY TRUCK	56071

KCC

HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

JAN 11

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	63	MI	2.75	173.25
		1	UNT		
001-016	CEMENTING CASING	210	FT	575.00	575.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC T	13	3/8 IN	335.00	335.00
		1	EA		
40	CENTRALIZER 13-3/8" X 17.5"	2	EA	89.00	178.00
807.93079					
504-308	CEMENT - STANDARD	300	SK	6.96	2,088.00
509-406	ANHYDROUS CALCIUM CHLORIDE	9	SK	28.25	254.25
500-207	BULK SERVICE CHARGE	318	CFT	1.35	429.30
500-306	MILEAGE CMTG MAT DEL OR RETU	910.98	TMI	.95	865.43

INVOICE SUBTOTAL

4,898.23

DISCOUNT-(BID)

RELEASED

979.64-

INVOICE BID AMOUNT

3,918.59

*-KANSAS STATE SALES TAX

MAR 14 1996

162.69

*-PRATT COUNTY SALES TAX

33.18

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

JAN 13 1994

CONSERVATION DIVISION
Wichita, Kansas
\$4

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved



CHARGE TO:
 ADDRESS: HALLIBURTON ENERGY SERVICES, INC.
915 Patton Road
 CITY, STATE, ZIP CODE: Great Bend, KS, 67530

COPY

TICKET

No.

509761

CONFIDENTIAL

PAGE 1 OF 2

FORM 1906 R-12

1. SERVICE LOCATIONS <u>PRATT KS 25555</u>	WELL/PROJECT NO. <u>3</u>	LEASE <u>Bagghman</u>	COUNTY/PARISH <u>RENO</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>25555</u>	DATE <u>7-3-73</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>ALLEN DRIS</u>	RIG NAME/NO. <u>VICTORIA 1</u>	SHIPPED VIA <u>WELL SITE</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>01-OIL</u>	WELL CATEGORY <u>01-wildcat</u>	JOB PURPOSE <u>210 1 3/4 SURFACE</u>	WELL PERMIT NO. <u>15155212880000</u>	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>2090</u>						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOG	ACGT	DF			QTY.	U/M	QTY.	U/M	
000-117		/				MILEAGE	63	M		2.25	173.25
021-016		/				Pump charge	210	FT		5.75	575.00
030-018	9	/				5-w top plug	1	EA	13 3/4 IN	335.00	335.00
40	807.93079	/				S-4 CRAPPLER	2	EA	13 3/4 IN	89.00	178.00

KOC
 JAN 11
 CONFIDENTIAL

ORIGINAL

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

RECEIVED
 STATE CORRECTOR GENERAL (COMMISSION)

JAN 13 1994

CONSERVATION DIVISION
 Wichita Kansas

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	
BEAN SIZE	SPACERS	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	
TUBING SIZE	TUBING PRESSURE	WELL DEPTH
TREE CONNECTION	TYPE VALVE	

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	1205
FROM CONTINUATION PAGE(S)	36, 36, 36
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	4878

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
X George Hutton
 DATE SIGNED: 9-2-93 TIME SIGNED: 2:00
 A.M. P.M.
 do do not require IPC (Instrument Protection). Not offered

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>George Hutton</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X George Hutton</u>	HALLIBURTON OPERATOR/ENGINEER <u>J.P. Woodruff</u>	EMP # <u>62573</u>	HALLIBURTON APPROVAL
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HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

ORIGINAL

TICKET No. 509701

FORM 1911 R-8

CUSTOMER HALLWOOD PETROLEUM	WELL 3 BAUGMAN	DATE 09-02-93	PAGE 2	OF 2
--------------------------------	-------------------	------------------	-----------	---------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF											
504-308	516.00261	1				STANDARD CEMENT	300	sk				6 96	208 00		
509-406	890.30812	1				CALCIUM CHLORIDE BLENDED 3%	9	sk				28 25	254 25		
<p>ORIGINAL</p> <p>KOC</p> <p>JAN 1 1</p> <p>CONFIDENTIAL</p> <p>RELEASED</p> <p>MAR 1 4 1996</p> <p>FROM CONFIDENTIAL</p>															
500-207						SERVICE CHARGE						1 25	429 30		
500-306						MILEAGE CHARGE	28,920		LOADED MILES	63	TON MILES	95	397 50		
												95	397 50		

CONTINUATION TOTAL 3636 98

WELL DATA

FIELD _____ SEC 36 TWP 23S RNG 4W COUNTY PRATT STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 210'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	98'	12 1/4"	KB	210	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>9-3-93</u>	<u>9-3-93</u>	<u>9-3-93</u>	<u>9-3-93</u>
TIME <u>1700</u>	TIME <u>2100</u>	TIME <u>0212</u>	TIME <u>0231</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4</u>	<u>13 7/8</u>	<u>2</u>
BOTTOM PLUG		
TOP PLUG <u>S-W</u>	<u>12 7/8</u>	<u>1</u>
HEAD <u>PIG</u>	<u>12 7/8</u>	<u>1</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodson 62523</u>	<u>PIU 37537</u>	<u>PRATT KS</u>
<u>K. D. ... 24660</u>	<u>50130</u>	<u>PRATT</u>
<u>T. S. ...</u>	<u>1142 / ...</u>	<u>PRATT</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API _____

PROP. TYPE _____ SIZE _____

PROP. TYPE _____ SIZE _____

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____

NE AGENT TYPE _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

JAN 11
CONFIDENTIAL

ORIGINAL

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 12 7/8 SERIES C.G.

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X. ...

HALLIBURTON OPERATOR J. Woodson COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>STANDARD</u>	<u>Unico</u>	<u>B</u>	<u>3766</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 10 REASON BY REQUEST

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKON: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 31.5

CEMENT SLURRY: BBL.-GAL. 63.0

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

HALLIBURTON
 PRATT, KS
 LEASE
 SAUGMAN
 WELL NO.
 JOB TYPE

JOB LOG FORM 2013 R-3

CUSTOMER: **ALLWOOD - PITTSBURGH** WELL NO.: **1** LEASE: **BAUGMAN** JOB TYPE: **13% SURFACE** TICKET NO.: **509761**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T/C	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
	1700						JOB READY NOW
	1700						CALLED OUT FOR JOB
							PUMP TRUCK & BULK TRUCK ON LOCATION
							RIG STILL DRILLING 13% HOLE
							SET UP PUMP TRUCK
	2230						R.G. THROUGH CUTTING 212' OF HOLE
							ON BOTTOM CIRCULATING
							PULL DRILL PIPE
	2445						START RUNNING 13% SURFACE CSC
							& FLOAT EQUIP
	0150-						CASING ON BOTTOM 210'
							HOOK UP P/C & CIRCULATING IRON
	0200						START CIRCULATING WITH P.G. PUMP
							THROUGH CIRCULATING
							HOOK UP TO PUMP TRUCK
	0212	6.0				225'	START MIXING CEMENT
			63.0				THROUGH MIXING CEMENT
							SHUT DOWN
							RELEASE PLUG & MEASURING LINE
		5.0					START DISPLACING
	0245		32.0			150'	PLUG DOWN
							CIRCULATED CMT

CONFIDENTIAL

ORIGINAL

KCC

JAN 1 11

CONFIDENTIAL

THANK YOU

WOODIE KURT, DOWN

RELEASED

MAR 14 1996

FROM CONFIDENTIAL

STATE OF WISCONSIN RECEIVED

ORIGINAL



HALLIBURTON ENERGY SERVICES CONFIDENTIAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
509762	09/03/1993

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
AUGHMAN 3		RENO		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
PRATT	ALLEN DRLG	CEMENT INTERMEDIATE CASING			09/03/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55880	GEORGE HUTTON			COMPANY TRUCK	56071

HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

KCC
JAN 1 1
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
ORIGINAL					
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	63	MI	2.75	173.25
		1	UNT		
001-016	CEMENTING CASING	703	FT	825.00	825.00
		1	UNT		
030-503	CMTG PLUG LA-11, CP-1, CP-3, TO	8 5/8	IN	95.00	95.00
40	CENTRALIZER 8-5/8" X 12.25"	4	EA	72.00	288.00
807.93059					
320	CEMENT BASKET 8 5/8"	2	EA	122.00	244.00
800.8888					
504-316	CEMENT - HALL. LIGHT STAND	238	SK	6.43	1,543.20
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	28.25	169.50
507-210	FLOCELE	30	LB	1.40	42.00
509-968	SALT	2750	LB	.13	357.50
504-136	CEMENT - 40/60 POZMIX STAND	100	SK	5.68	568.00
509-406	ANHYDROUS CALCIUM CHLORIDE	3	SK	28.25	84.75
500-207	BULK SERVICE CHARGE	400	CFT	1.35	540.00
500-306	MILEAGE CMTG MAT DEL OR RETU	1053.958	TMI	.95	1,001.26

INVOICE SUBTOTAL	5,931.46
DISCOUNT-(BID)	1,186.29-
INVOICE BID AMOUNT	4,745.17
*- KANSAS STATE SALES TAX	175.64
*- PRATT COUNTY SALES TAX	35.85

RECEIVED
STATE CORPORATION COMMISSION
JAN 13 1994
CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$4,956

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never



CHARGE TO:
 ADDRESS: *Hallwood Petroleum, Inc.*
 915 Patton Road
 CITY, STATE, ZIP CODE: *Great Bend, KS, 67530*

COPY
 No. 509762
 CONFIDENTIAL
 PAGE 1 OF 2

FORM 1908 R-12

SERVICE LOCATIONS 1. <i>Platt, KS 25555</i>	WELL/PROJECT NO. 3	LEASE <i>Burkman</i>	COUNTY/PARISH <i>RENO</i>	STATE <i>KC</i>	CITY/OFFSHORE LOCATION <i>25555</i>	DATE <i>9-3-93</i>	OWNER <i>SAME</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>ALLEN DRIL</i>	RIG NAME/NO. <i>ALLEN DRLO</i>	SHIPPED VIA <i>50123</i>	DELIVERED TO <i>Location</i>	ORDER NO.
3.	<input type="checkbox"/> SALES	WELL TYPE	WELL CATEGORY <i>Oil Development</i>	JOB PURPOSE <i>Oil - 8 1/8 Intermediate</i>	WELL PERMIT NO. <i>15155212880000</i>	WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>2090</i>						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<i>000-117</i>		<i>1</i>				<i>MILEAGE</i>	<i>63</i>	<i>m.</i>			<i>2.75</i>	<i>173.25</i>
<i>001-016</i>		<i>1</i>				<i>Pump CHARGE</i>	<i>703</i>	<i>FT</i>			<i>735.00</i>	<i>825.00</i>
<i>030-503</i>		<i>1</i>				<i>1 1/2 TOP PLUG</i>	<i>1</i>	<i>EA</i>	<i>8 1/8 IN</i>		<i>75.00</i>	<i>75.00</i>
<i>40</i>	<i>802-92057</i>	<i>1</i>				<i>5-4 CENTRALIZER</i>	<i>4</i>	<i>EA</i>			<i>72.00</i>	<i>288.00</i>
<i>320</i>	<i>800-8288</i>	<i>1</i>				<i>BASKET</i>	<i>2</i>	<i>EA</i>	<i>8 1/2 IN</i>		<i>122.00</i>	<i>244.00</i>

K20
 JAN 11
 CONFIDENTIAL
 RELEASED
 MAR 14 1996
 FROM CONFIDENTIAL
 ORIGINAL

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
George Hutton

DATE SIGNED: *9-3-93* TIME SIGNED: *1430*

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL

FROM CONTINUATION PAGE(S)

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

62525
 4306
 598146

JAN 11 1993
 RECEIVED
 STATE CORPORATION COMMISSION
 CONSERVATION DIVISION
 Wichita, Kansas

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *George Hutton*

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *George Hutton*

HALLIBURTON OPERATOR/ENGINEER: *Hal Woodman*

EMP #

HALLIBURTON APPROVAL



HALLIBURTON
ENERGY SERVICES

CONFIDENTIAL

TICKET CONTINUATION

ORIGINAL

TICKET No. 509762

FORM 1911 R-8

CUSTOMER		WELL		DATE	PAGE	OF											
HALLWOOD PETROLEUM		3 BAUGMAN		09-03-93	2	2											
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE		AMOUNT			
		LOC	ACCT	DF													
504-316		1				HALLIBURTON LITE CEMENT	240	sk				6.43	1543	20			
509-406	890.50812	1				CALCIUM CHLORIDE BLENDED 3%	6	sk				28.25	169	50			
507-210	890.5007X	1				FLOCELE BLENDED 1/8#	130	lb	102			1.40	42	00			
509-968	516.00158	1				SALT BLENDED 18%	2750	lb				.13	357	50			
504-316		1				50/60 POZMIX W/80 GEL	100	sk				5.68	568	00			
509-406	890.50812	1				CALCIUM CHLORIDE BLENDED 3%	3	sk				28.25	84	75			
KCC JAN 11 CONFIDENTIAL							ORIGINAL							RELEASED MAR 14 1996		FROM CONFIDENTIAL	
500-207						SERVICE CHARGE	CUBIC FEET		400			1.35	540	10			
500-306						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	63	TON MILES	1053.9585	.95	1001	2			

CONTINUATION TOTAL 43062

WELL DATA
FIELD *36* SEC *235* TWP *23S* RING *94* COUNTY *Reed* STATE *KS*

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
COMPLETION DATE _____ MUD TYPE _____ MUD WT _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>U</i>	<i>29"</i>	<i>8 1/2</i>	<i>KB</i>	<i>703</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <i>5-4</i>	<i>8 1/4</i>	<i>HALCO</i>
BOTTOM PLUG		
TOP PLUG <i>LA-11</i>	<i>2 1/2</i>	<i>1</i>
HEAD <i>P/C</i>	<i>2 1/2</i>	<i>1</i>
PACKER		
OTHER <i>BASKET</i>	<i>8 1/8</i>	<i>1</i>

JOB DATA

CALLED OUT DATE <i>9-3-93</i> TIME <i>1055</i>	ON LOCATION DATE <i>9-3-93</i> TIME <i>1430</i>	JOB STARTED DATE <i>9-3-93</i> TIME <i>2130</i>	JOB COMPLETED DATE <i>9-3-93</i> TIME <i>2145</i>
--	---	---	---

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>D. Woodruff</i>	<i>62573</i>	<i>Perm, KS</i>
<i>K. Duffert</i>	<i>86660</i>	<i>50120</i>
<i>S. Linnery</i>	<i>374</i>	<i>BULK</i>
<i>1</i>	<i>B6717</i>	<i>17228</i>

RELEASED
JAN 11 1996
CONFIDENTIAL

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL. °API _____
DISPL. FLUID _____ DENSITY _____ LB./GAL. °API _____
PROP. TYPE _____ SIZE _____ LB. _____
PROP. TYPE _____ SIZE _____ LB. _____
ACID TYPE _____ GAL. _____ % _____
ACID TYPE _____ GAL. _____ % _____
ACID TYPE _____ GAL. _____ % _____
SURFACTANT TYPE _____ GAL. _____ IN _____
NE AGENT TYPE _____ GAL. _____ IN _____
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____
GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
BREAKER TYPE _____ GAL.-LB. _____ IN _____
BLOCKING AGENT TYPE _____ GAL.-LB. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT *CEMENT*
DESCRIPTION OF JOB *CEMENT 2 1/2 INFERMEDIATE C-20*
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE *X George Sutton*
HALLIBURTON OPERATOR *J. Woodruff* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>240</i>	<i>35/65 p22</i>	<i>HALCO</i>	<i>B</i>	<i>67 GCL, 32 CC, 1/2 HOUR, 19% SALT</i>	<i>1.72</i>	<i>13.5</i>
	<i>100</i>	<i>40/60 p22</i>	<i>"</i>	<i>B</i>	<i>10 GCL, 31 CC</i>	<i>1.12</i>	<i>14.7</i>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
HYDRAULIC HORSEPOWER _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN GPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____ FEET _____ REASON *By Request*

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *44.0*
CEMENT SLURRY: BBL.-GAL. *92.9*
TOTAL VOLUME: BBL.-GAL. _____

RAMARKS

JOB LOG FORM 2013R-3

CUSTOMER: WILLWOOD PETROLEUM WELL NO: 3 LEASE: ADUMAY JOB TYPE: 8 1/2" INTERMEDIATE TICKET NO: 509762

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1055							JOB READY NOW
	1057							CALLED OUT FOR JOB
	1430							PUMP TRUCK ON LOCATION RIG STILL DRILLING
	1800							SET UP PUMP TRUCK RIG THROUGH DRIVE TO 3 1/2" TUBING PULL DRILLING MAKE SHORT TRIP PULL D.P.
	1930							OUT OF HOLE WITH D.P.
	1945							START RUNNING 8 1/2" CAS & PLUG TRIP KOC JAN 11
	2105							CONFIDENTIAL HOOK UP P/L & CIRCULATING (RIG) START CIRCULATING WITH RIG PUMP THROUGH CIRCULATING
	2135	70	730			25CH		HOOK UP TO PUMP TRUCK START MIXING CEMENT START MIXING TAIL CEMENT THROUGH MIXING CEMENT
		60	110			280		SHUT DOWN, RELEASE PLUG & MEASURE LINE START DISPLACING
	2145		438			300		PLUG DOWN / 685" CIRCULATED CEMENT
								THANK YOU! Wesley KURT, Steve KYLE
								RELEASED 14.11.93
								FROM CONFIDENTIAL



INVOICE

INVOICE NO.	DATE
509765	09/09/1993

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
AUGHMAN 3	RENO	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PATT	ALLEN DRILLING	CEMENT PRODUCTION CASING	09/09/1993		
CT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55880	GEORGE HUTTON			COMPANY TRUCK	56187

ORIGINAL

DIRECT CORRESPONDENCE TO:

HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

CONFIDENTIAL

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DRILLING AREA - MID CONTINENT				
000-117	MILEAGE	63	MI	2.75	173.25
		1	UNT		
001-016	CEMENTING CASING	3414	FT	1,390.00	1,390.00
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5 1/2	IN	60.00	60.00
		1	EA		
509-968	SALT	500	LB	.13	65.00
12A	GUIDE SHOE - 5 1/2" 8RD THD	1	EA	121.00	121.00
325.205					
40	CENTRALIZER 5-1/2" X 7 7/8"	5	EA	44.00	220.00
807.93022					
24A	INSERT FLOAT VALVE - 5 1/2" 8	1	EA	110.00	110.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815.19315					
60	ROTO WALL CLEANER 2 1/8" SPI	1	EA	22.00	22.00
807.0007					
504-308	CEMENT - STANDARD	125	SK	6.96	870.00
508-127	CAL SEAL 60	6	SK	20.70	124.20
509-968	SALT	600	LB	.13	78.00
507-775	HALAD-322	88	LB	6.90	607.20
504-308	CEMENT - STANDARD	100	SK	6.96	696.00
508-291	GILSONITE BULK	500	LB	.40	200.00
509-968	SALT	500	LB	.13	65.00
508-127	CAL SEAL 60	5	SK	20.70	103.50
507-775	HALAD-322	71	LB	6.90	489.90
500-207	BULK SERVICE CHARGE	268	CFT	1.35	361.80
500-306	MILEAGE CMTG NAT DEL OR RETN	756.2835	TMI	.95	718.47

KCC
JAN 11
CONFIDENTIAL

RELEASED
MAR 14 1996

FROM CONFIDENTIAL

INVOICE SUBTOTAL

6,530.32

***** CONTINUED ON NEXT PAGE *****

CUSTOMER COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
509765	09/09/199

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
BAUGHMAN 3		RENO		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT	ALLEN DRILLING	CEMENT PRODUCTION CASING		09/09/199	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
355880	GEORGE HUTTON			COMPANY TRUCK	5618

HALLWOOD PETROLEUM, INC. KCO
915 PATTON ROAD
GREAT BEND, KS 67530

JAN 11
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)				1,175.43-
	INVOICE BID AMOUNT				5,354.89
	*-KANSAS STATE SALES TAX				191.23
	*-PRATT COUNTY SALES TAX				39.02

CONFIDENTIAL

ORIGINAL

RELEASED
MAR 14 1996
FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
JAN 13 1994
CONSERVATION DIVISION
Wichita Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$5,585.14

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest



HALLIBURTON
ENERGY SERVICES

CONFIDENTIAL

TICKET CONTINUATION

No. 509765

FORM 1911 R-8

CUSTOMER HALLWOOD PETROLEUM	WELL § BAUGHMAN	DATE 09-09-93	PAGE 2	OF 2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M		QTY.	U/M
504-308	516.00261	1				STANDARD CEMENT	125	sk	6 96	870	0
508-127	890.50131	1				CALSEAL BLENDED 5%	6	sk	20 70	124	2
509-968	516.00158	1				SALT BLENDED 10%	600	lb	13	78	0
507-775	516.00144	1				HALAD-322 BLENDED .75%	88	lb	6 90	607	2
504-308	516.00261	1				STANDARD CEMENT	100	sk	6 96	696	0
508-291	516.00337	1				GILSONITE BLENDED 5#	500	lb	40	200	0
509-968	516.00158	1				SALT BLENDED 10%	500	lb	13	65	0
508-127	890.50131	1				CALSEAL BLENDED 10%	5	sk	20 70	103	5
507-775	516.00144	1				HALAD-322 BLENDED .75%	71	lb	6 90	489	9
<p>ORIGINAL</p> <p>KOC</p> <p>JAN 11</p> <p>CONFIDENTIAL</p> <p>RELEASED</p> <p>MAR 14 1996</p> <p>FROM CONFIDENTIAL</p>											
500-207						SERVICE CHARGE	CUBIC FEET 268		1 35	361	8
500-306						MILEAGE CHARGE	TOTAL WEIGHT 24,009	LOADED MILES 63	TON MILES 756.2835	95	718 4

CONTINUATION TOTAL

4314.07

WELL: _____ SEC: _____ TWP: _____ RNC: _____ COUNTY: **RENO** STATE: **KS**

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH **3817**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	11	141	5 1/2	1103	3419	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE R/C 5 1/2	1	HALL
CENTRALIZERS S-4 5 1/2	5	"
BOTTOM PLUG		
TOP PLUG S-W 5 1/2	1	"
HEAD ROTATING 5 1/2	1	"
PACKER		
OTHER AIF 5 1/2	1	"

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
8-9-93	8-9-93	8-9-93	8-9-93
DATE	DATE	DATE	DATE
TIME 2430	TIME 0320	TIME 0753	TIME 0820

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 ACID TYPE _____ GAL. _____ %
 SURFACTANT TYPE _____ GAL. _____ IN
 NE AGENT TYPE _____ GAL. _____ IN
 FLUID LOSS ADD. TYPE _____ GAL. _____ IN
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
 BREAKER TYPE _____ GAL.-LB. _____ IN
 BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. WOODRUM 42573	PLU 37537	PPATT KS
K. DUTCH 23661	90120	"
T. SEBA	RCM 4413	"
	B-14K	"

DEPARTMENT: **CEMENT**
 DESCRIPTION OF JOB: **CEMENT 5 1/2 LONG STRONG**

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.
 CUSTOMER REPRESENTATIVE: **X George Dutton**
 HALLIBURTON OPERATOR: **JL Woodrum**
 COPIES REQUESTED: _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	125	STANDARD	WINDWARD	B	5 1/2 GAL S 1/2 10% SALT .75% WIND-322	1.33	15.4
	100	STANDARD	"	B	5 1/2 GAL S 1/2 10% SALT .75% WIND-322	1.46	15.0
					5' GAL S 1/2 10% SALT .75% WIND-322		

PRESSURES IN PSI
 CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISP _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET: **19** REASON: **INSERT FLOAT**

SUMMARY
 PRES LUSH BBL - GAL: **25** TYPE: **SALT**
 LOAD & BKDN: BBL - GAL _____ PAD: BBL - GAL _____
 TREATMENT: BBL - GAL _____ DISPL: BBL - GAL: **528**
 CEMENT SLURRY BBL - GAL: **550**
 TOTAL VOLUME: BBL - GAL _____

RAMARKS

TAG PLUG AT 3409

CUSTOMER: _____
 LEASE: _____
 WELL NO: _____
 JOB TYPE: **5 1/2 LONG STRONG** DATE: **8-9-93**

JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
ALLWOOD - PTR -		3		Bauman		5 1/2" LONG STRING		509765	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0400							JGB READY	
	2400							RELEASED	
	0320							1996 PUMP TRUCK + BULK TRUCK ON LOCATION RIG LAYING DOWN DRILL PIPE SET UP PUMP TRUCK OUT OF HOLE WITH D.P LAY DOWN R-H DO GRILLAR WORK	
	0400							ORIGINAL FROM CONFIDENTIAL START RUNNING 5 1/2" CSG + FLOAT EQUIP CASING ON BOTTOM 3414' HOOK UP ROTATING HEAD + CIRCUITING T-ROD	
	0445							CONFIDENTIAL START CIRCUITING WITH R.O PUMP THROUGH CIRCUITING	
	0636							JAN 1 HOOK UP TO PUMP TRUCK PUMP 25 BALS SALT FLUSH SHUT DOWN	
	0645							CONFIDENTIAL HOOK UP TO R-H PLUG R-H WITH 15 SLS (LOW CNT) HOOK UP TO 5 1/2" CSG	
	0750	7.0	25.0			350		START MIXING LEAD CEMENT	
	0757							START MIXING TAIL CEMENT THROUGH MIXING CEMENT SHUT DOWN	
	0800		3.5			0		RELEASE PLUG + MEASURING LINE WASH OUT PUMP LINES	
	0802	7.0	29.5			350		START DISP LACING	
	0806	7.6				350		PLUG DOWN / TAG PLUG AT 3409' RELEASE FLOAT FLOAT HELD	
	0810		26.0			0			
	0811							THANK YOU WOODRIF KURT TODD	