

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

API NO. 15- 175-21520-0000 **ORIGINAL**
County SEWARD

Operator: License # 4549

- N/2- NW - NE Sec. 10 Twp. 34 Rge. 34 X W

Name: ANADARKO PETROLEUM CORPORATION

330 Feet from (N)X (circle one) Line of Section

Address P. O. BOX 351

1980 Feet from (E)X (circle one) Line of Section

CONFIDENTIAL

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

City/State/Zip LIBERAL, KANSAS 67905-0351

Lease Name WETTSTEIN "A" Well # 3

Purchaser: ANADARKO TRADING COMPANY

Field Name ADAMSON

Operator Contact Person: J. L. ASHTON

Producing Formation STE. GENEVIEVE

Phone (316) 624-6253

Elevation: Ground 2910.4 KB --

Contractor: Name: GABBERT-JONES **RELEASED**

Total Depth 6550 PBDT 6482

License: 5842

Amount of Surface Pipe Set and Cemented at 1662 Feet

Wellsite Geologist: NA **JUL 31 1997**

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set Feet

X Oil SWD S1OW Temp. Abd.
X Gas ENHR S1GW
Dry Other (Core, WSW, Expl., Cathodic, etc)

Alternate II completion, cement circulated from feet depth to w/ sx cmt.

If Workovers:

Drilling Fluid Management Plan ALT 1 27 12-20-96
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 1200 ppm Fluid volume 700 bbls

Well Name: _____

Dewatering method used NATURAL EVAPORATION

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

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

Operator Name 3-13-96

Lease Name MAR 12 License No. _____

1-11-96 1-21-96 2-29-96
Spud Date Date Reached TD Completion Date

Quarter CON Sec. 10 Twp. 34 S Rng. 34 E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature David W. Kapple

Title DIVISION DRILLING ENGINEER Date 3/8/96

Subscribed and sworn to before me this 8th day of March 19 96.

Notary Public L. Marc Harvey

Date Commission Expires _____

L. MARC HARVEY
Notary Public - State of Kansas
My Appt. Expires 6-12-99

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

Operator Name: ANADARKO PETROLEUM CORPORATION Lease Name: WETSTEIN "A" Well # 3

Sec. 10 Twp. 34 Rge. 34 East West
 County SEWARD

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B/STONE CORRAL	1686
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHASE	2623
List All E.Logs Run: SBT-CCL-GR, GR-CAL, DIL, ML, SONIC, CNL-LDT.		COUNCIL GROVE	2978
DST ATTACHED.		HEEBNER	4256
		LANSING	4394
		MARMATON	5113
		MORROW	5758
		CHESTER	6044
		STE GENEVIEVE	6307
		ST LOUIS	6432

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4	8-5/8	24	1662	P+ MIDCON/ PREM PLUS	255/160	3% C, 1/4# SK FLC/ 2% CC, 1/4# SK FLC
PRODUCTION	7-7/8	5-1/2	15.5	6520	VERSASET @ 11PPG/14.8PPG	50/200	.6% HALAD 322, .9% VERSASET, 5% KCL, 1/4 #/SK FLOCELE.

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
1	6307-6381'	ACID: 2960 GAL 7-1/2% FEHCL FRAC: 43000 GAL X-LINK BORAGEL & 192000# 16/30 SD.	6307-6381

TUBING RECORD	Size 2-3/8	Set At 6257	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. FIRST: 2-29-96	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil 7 Bbls.	Gas 1892 Mcf	Water 31 Bbls.	Gas-Oil Ratio	Gravity
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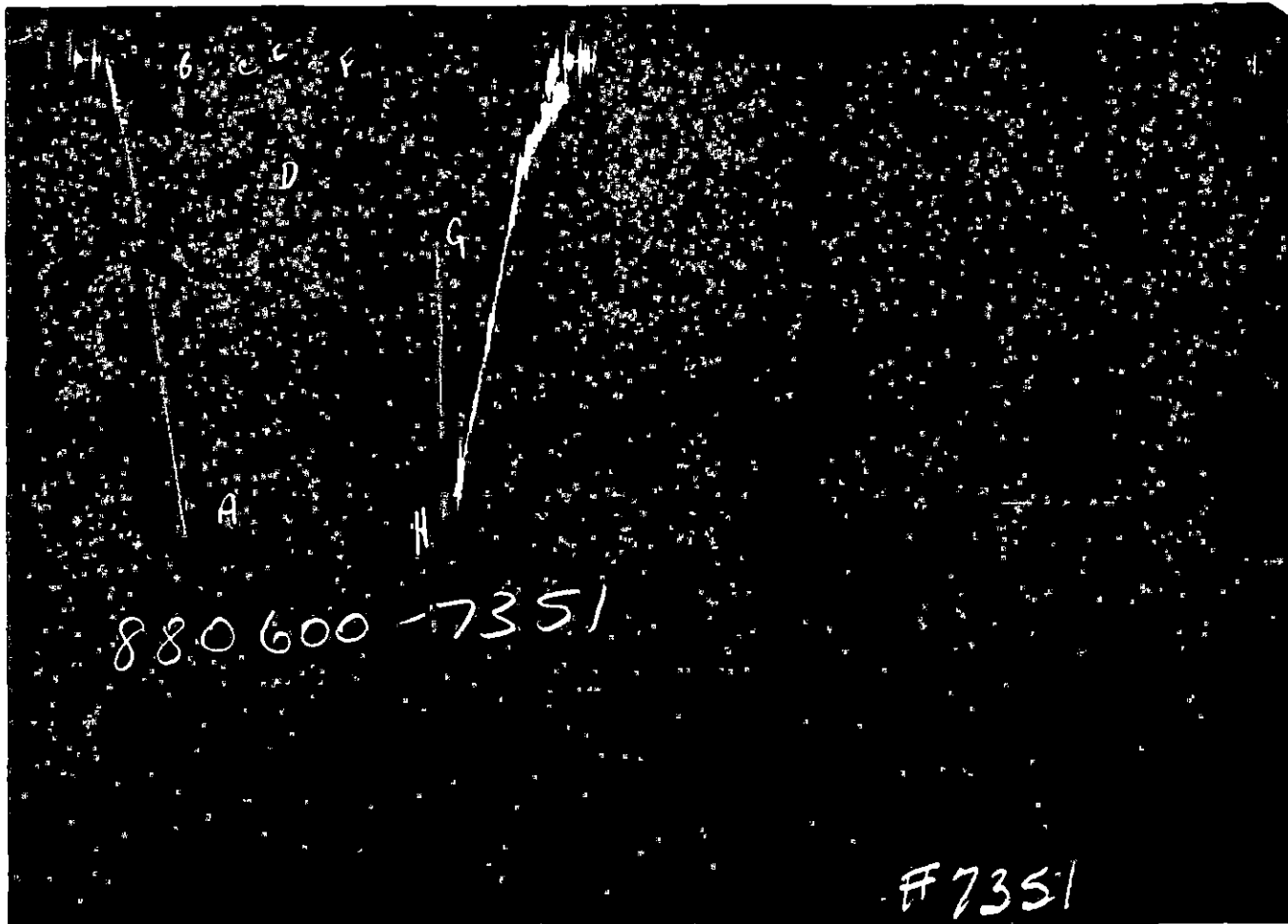
Disposition of Gas: _____ Method of Production _____ Production Interval _____

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

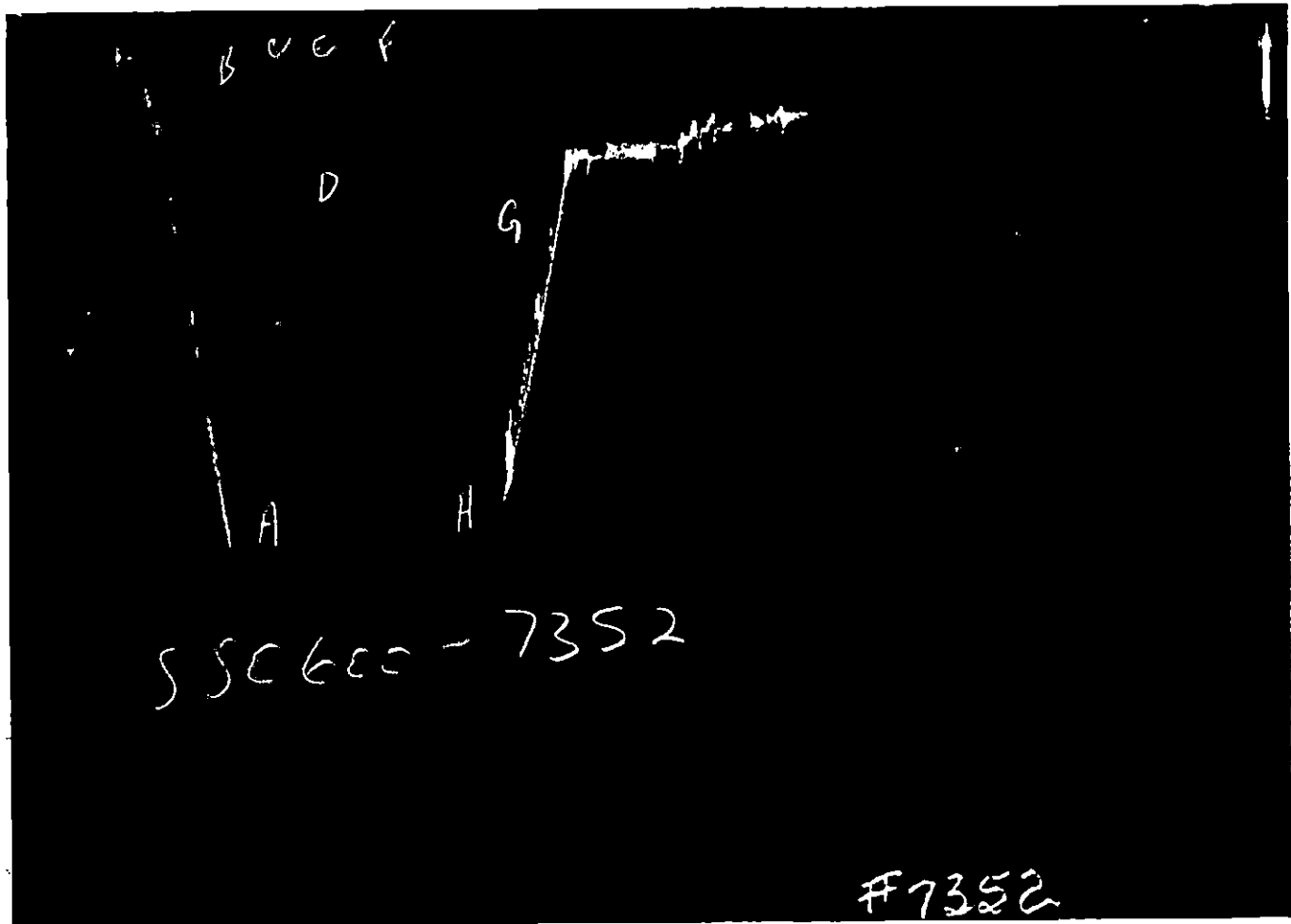
Other (Specify) _____

6307-6381'



GAUGE NO: 7351 DEPTH: 5987.3 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2887	2865.5			
B	INITIAL FIRST FLOW	16	29.7			
C	FINAL FIRST FLOW	16	34.4	30.0	30.2	F
C	INITIAL FIRST CLOSED-IN	16	34.4			
D	FINAL FIRST CLOSED-IN	639	645.6	60.0	60.1	C
E	INITIAL SECOND FLOW	16	24.3			
F	FINAL SECOND FLOW	16	29.7	60.0	59.7	F
F	INITIAL SECOND CLOSED-IN	16	29.7			
G	FINAL SECOND CLOSED-IN	1086	1077.8	130.0	126.1	C
H	FINAL HYDROSTATIC	2725	2833.1			



GAUGE NO: 7352 DEPTH: 6037.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2967	2886.6			
B	INITIAL FIRST FLOW	16	46.4			
C	FINAL FIRST FLOW	16	50.4	30.0	30.2	F
C	INITIAL FIRST CLOSED-IN	16	50.4			
D	FINAL FIRST CLOSED-IN	622	654.7	60.0	60.1	E
E	INITIAL SECOND FLOW	16	40.3			
F	FINAL SECOND FLOW	16	47.2	60.0	59.7	F
F	INITIAL SECOND CLOSED-IN	16	47.2			
G	FINAL SECOND CLOSED-IN	1089	1088.0	130.0	126.1	C
H	FINAL HYDROSTATIC	2935	2866.9			

EQUIPMENT & HOLE DATA

FORMATION TESTED: LOWER MORROW
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 37.8 PACKER TO T.D.
 ALL DEPTHS MEASURED FROM: G.L.
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 2910.0
 TOTAL DEPTH (ft): 5040.0
 PACKER DEPTH(S) (ft): 5002
 FINAL SURFACE CHOKE (in): B. HOSE
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.10 (8.8 WATER LOSS)
 MUD VISCOSITY (sec): 49 (8 LB. L.C.M.)
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): _____ @ _____ ft

TICKET NUMBER: 88060000
 DATE: 01-19-96 TEST NO: 1
 TYPE DST: OPEN HOLE
 FIELD CAMP: LIBERAL
 TESTER: TIM BOHANNAN
 WITNESS: MAX DEEM
 DRILLING CONTRACTOR: G & J DRILLING RIG #12

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>COLLARS</u>	<u>1.500</u> @ <u>65</u> °F	<u>6920</u> ppm
<u>WORKING PIT</u>	<u>0.850</u> @ <u>70</u> °F	<u>7381</u> ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: 16.0
 cu.ft. OF GAS: 0.044
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: 1700.0
 TOTAL LIQUID cc: 1700.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: 0.719

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

10 FT. OF DRILLING MUD

MEASURED FROM TESTER VALVE

REMARKS :

TICKET NO: 88060000

GAUGE NO: 7351

CLOCK NO: 17524 HOUR: 24

DEPTH: 5987.3

REF	MINUTES	PRESSURE	ΔP	$\frac{dx}{dt}$	$\log \frac{t}{dt}$
FIRST FLOW					
B	1	0.0	29.7		
	2	5.0	37.4	7.8	
	3	10.0	36.3	-1.1	
	4	15.0	35.9	-0.5	
	5	20.0	35.2	-0.6	
	6	25.0	34.4	-0.8	
C	7	30.2	34.4	0.0	
FIRST CLOSED-IN					
C	1	0.0	34.4		
	2	1.0	51.9	17.4	1.0 1.477
	3	2.0	71.1	36.6	1.9 1.209
	4	3.0	86.8	52.4	2.8 1.040
	5	4.0	100.0	65.5	3.5 0.937
	6	5.0	115.2	80.8	4.3 0.848
	7	6.0	127.9	93.5	5.0 0.780
	8	7.0	141.4	107.0	5.7 0.725
	9	8.0	155.2	120.8	6.3 0.679
	10	9.0	167.9	133.5	7.0 0.638
	11	10.0	179.7	145.2	7.5 0.603
	12	12.0	201.4	167.0	8.6 0.546
	13	14.0	224.8	190.3	9.6 0.500
	14	16.0	247.5	213.1	10.4 0.461
	15	18.0	267.1	232.6	11.3 0.428
	16	20.0	287.1	252.6	12.0 0.400
	17	22.0	307.6	273.2	12.7 0.375
	18	24.0	326.7	292.2	13.4 0.354
	19	26.0	345.8	311.3	14.0 0.335
	20	28.0	364.8	330.4	14.5 0.318
	21	30.0	383.8	349.3	15.1 0.303
	22	35.0	430.9	396.4	16.2 0.270
	23	40.0	476.9	442.5	17.2 0.244
	24	45.0	520.2	485.8	18.1 0.223
	25	50.0	562.7	528.3	18.8 0.205
	26	55.0	604.0	569.6	19.5 0.190
D	27	60.1	645.6	611.2	20.1 0.177
SECOND FLOW					
E	1	0.0	24.3		
	2	10.0	33.7	9.4	
	3	20.0	32.9	-0.8	
	4	30.0	32.2	-0.6	
	5	40.0	30.5	-1.7	
	6	50.0	28.9	-1.6	
F	7	59.7	29.7	0.8	

REF	MINUTES	PRESSURE	ΔP	$\frac{dx}{dt}$	$\log \frac{t}{dt}$
SECOND CLOSED-IN					
F	1	0.0	29.7		
	2	1.0	51.1	21.4	1.0 1.955
	3	2.0	68.6	38.9	1.9 1.665
	4	3.0	85.4	55.7	2.9 1.495
	5	4.0	101.9	72.2	3.6 1.373
	6	5.0	117.1	87.4	4.8 1.277
	7	6.0	131.3	101.6	5.6 1.202
	8	7.0	144.8	115.1	6.5 1.143
	9	8.0	158.4	128.7	7.3 1.088
	10	9.0	174.1	144.4	8.2 1.040
	11	10.0	187.5	157.8	9.0 1.001
	12	12.0	214.5	184.8	10.6 0.929
	13	14.0	238.5	208.8	12.1 0.870
	14	16.0	263.9	234.2	13.6 0.820
	15	18.0	286.2	256.5	15.0 0.779
	16	20.0	308.4	278.7	16.3 0.740
	17	22.0	331.6	301.9	17.6 0.707
	18	24.0	354.7	325.0	18.9 0.677
	19	26.0	377.9	348.2	20.1 0.649
	20	28.0	400.2	370.5	21.4 0.624
	21	30.0	421.5	391.8	22.5 0.601
	22	35.0	472.9	443.2	25.2 0.552
	23	40.0	522.5	492.8	27.7 0.511
	24	45.0	568.0	538.3	30.0 0.477
	25	50.0	610.3	580.6	32.1 0.447
	26	55.0	652.3	622.6	34.1 0.421
	27	60.0	691.3	661.6	36.0 0.398
	28	70.0	765.1	735.4	39.3 0.359
	29	80.0	833.6	803.9	42.3 0.327
	30	90.0	898.0	868.3	45.0 0.301
	31	100.0	953.8	924.1	47.3 0.279
	32	110.0	1005.2	975.5	49.5 0.259
	33	120.0	1051.6	1021.9	51.4 0.243
G	34	126.1	1077.8	1048.1	52.5 0.234

REMARKS:

TICKET NO: 88060000

GAUGE NO: 7352














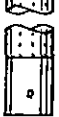
CLOCK NO: 17476 HOUR: 24

DEPTH: 6037.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	46.4		
	2	5.0	51.2	4.8	
	3	10.0	50.4	-0.8	
	4	15.0	49.7	-0.8	
	5	20.0	48.9	-0.8	
	6	25.0	48.9	0.0	
C	7	30.2	50.4	1.5	
FIRST CLOSED-IN					
C	1	0.0	50.4		
	2	1.0	59.9	9.4	0.9 1.508
	3	2.0	73.0	22.6	1.9 1.197
	4	3.0	86.8	36.3	2.8 1.038
	5	4.0	99.1	48.7	3.5 0.934
	6	5.0	113.1	62.6	4.3 0.849
	7	6.0	123.9	73.5	5.0 0.782
	8	7.0	135.2	84.7	5.7 0.726
	9	8.0	148.8	98.4	6.3 0.681
	10	9.0	161.0	110.6	6.9 0.639
	11	10.0	171.7	121.3	7.5 0.605
	12	12.0	193.7	143.2	8.6 0.547
	13	14.0	217.0	166.6	9.6 0.500
	14	16.0	238.7	188.3	10.5 0.461
	15	18.0	261.0	210.6	11.3 0.428
	16	20.0	282.7	232.3	12.0 0.400
	17	22.0	302.8	252.4	12.7 0.375
	18	24.0	321.2	270.8	13.4 0.354
	19	26.0	341.4	291.0	14.0 0.335
	20	28.0	362.3	311.9	14.5 0.318
	21	30.0	382.4	332.0	15.0 0.303
	22	35.0	431.0	380.5	16.2 0.270
	23	40.0	478.9	426.4	17.2 0.244
	24	45.0	527.4	477.0	18.1 0.223
	25	50.0	570.9	520.4	18.8 0.205
	26	55.0	612.8	562.4	19.5 0.190
D	27	60.1	654.7	604.3	20.1 0.177
SECOND FLOW					
E	1	0.0	40.3		
	2	10.0	48.1	7.9	
	3	20.0	47.4	-0.8	
	4	30.0	44.9	-2.5	
	5	40.0	46.6	1.7	
	6	50.0	46.6	0.0	
F	7	59.7	47.2	0.6	

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F	1	0.0	47.2		
	2	1.0	61.9	14.7	1.0 1.960
	3	2.0	79.1	31.8	1.9 1.670
	4	3.0	95.5	48.2	2.9 1.493
	5	4.0	112.3	65.1	3.8 1.369
	6	5.0	126.9	79.6	4.8 1.275
	7	6.0	139.5	92.3	5.7 1.202
	8	7.0	154.1	108.9	6.5 1.143
	9	8.0	168.0	120.8	7.3 1.089
	10	9.0	181.0	133.8	8.1 1.043
	11	10.0	194.2	146.9	9.0 0.999
	12	12.0	219.1	171.9	10.6 0.930
	13	14.0	245.4	198.2	12.1 0.871
	14	16.0	269.7	222.5	13.6 0.820
	15	18.0	296.5	249.3	15.0 0.777
	16	20.0	319.6	272.4	16.4 0.740
	17	22.0	345.1	297.9	17.7 0.706
	18	24.0	367.0	319.8	18.9 0.677
	19	26.0	388.7	341.5	20.2 0.649
	20	28.0	410.4	363.2	21.3 0.625
	21	30.0	431.3	384.1	22.5 0.602
	22	35.0	480.9	433.7	25.2 0.553
	23	40.0	532.3	485.1	27.7 0.511
	24	45.0	581.8	534.6	30.0 0.477
	25	50.0	627.9	580.7	32.1 0.447
	26	55.0	671.0	623.8	34.1 0.421
	27	60.0	709.7	662.5	36.0 0.398
	28	70.0	784.3	737.1	39.3 0.359
	29	80.0	849.7	802.5	42.3 0.327
	30	90.0	908.7	861.5	45.0 0.301
	31	100.0	960.2	913.0	47.3 0.279
	32	110.0	1011.4	964.2	49.5 0.259
	33	120.0	1062.5	1015.3	51.4 0.243
G	34	126.1	1088.0	1040.8	52.5 0.234

REMARKS:

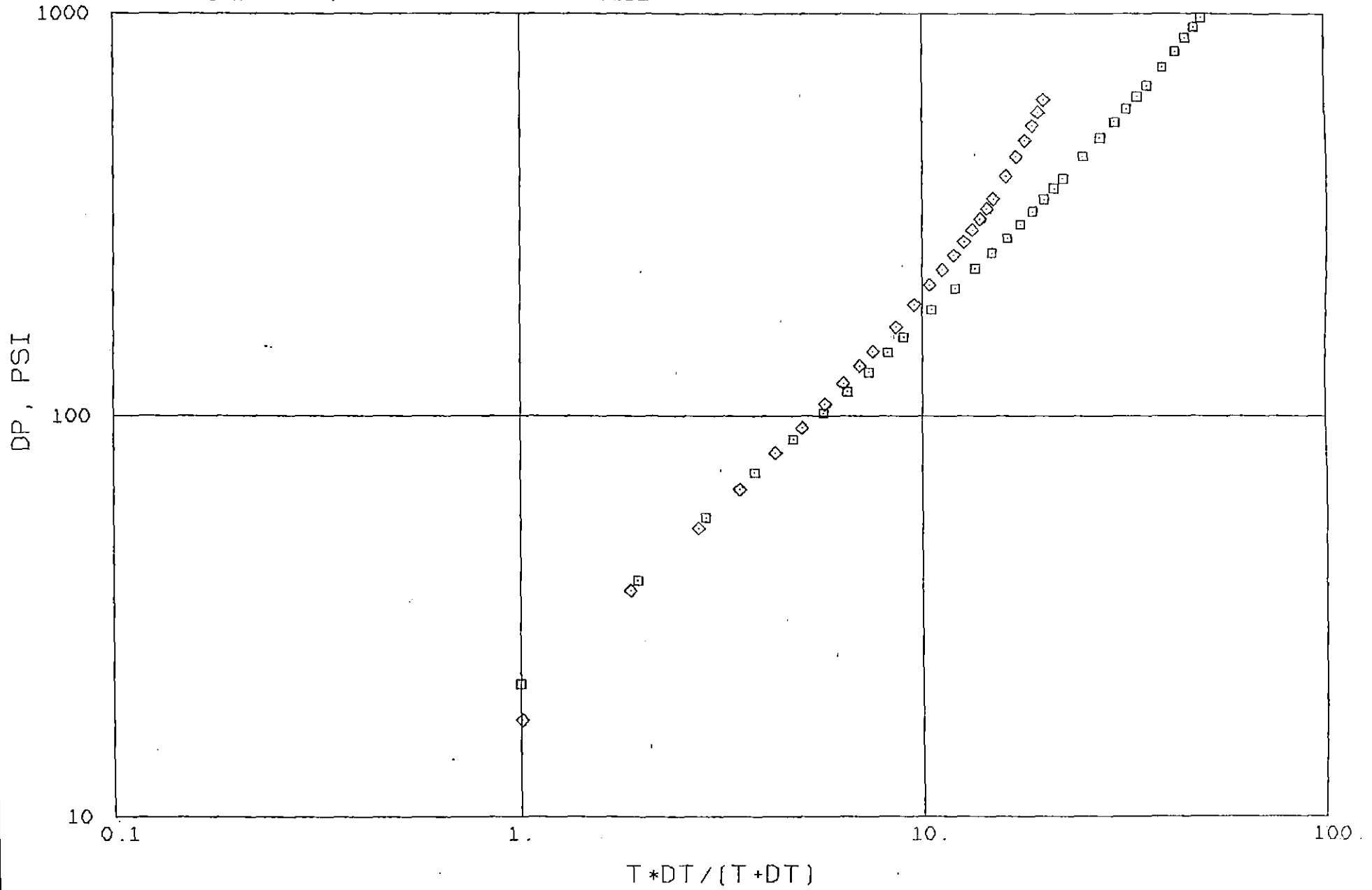
		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	5287.4	
3		DRILL COLLARS.....	6.000	2.500	589.8	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	5877.7
3		DRILL COLLARS.....	6.000	2.500	90.7	
5		CROSSOVER.....	6.000	2.500	1.0	
11		HANDLING SUB & CHOKE ASSEMBLY...	4.500	3.826	4.7	
13		DUAL CIP SAMPLER.....	5.000	0.750	6.6	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5985.2
80		AP RUNNING CASE.....	5.000	2.250	4.1	5987.3
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	6002.2
20		FLUSH JOINT ANCHOR.....	5.000	2.370	32.0	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	6037.0
TOTAL DEPTH						6040.0

EQUIPMENT DATA

TICKET NO 88060000

GAUGE NO CIP 1 2
7351 ◇ □

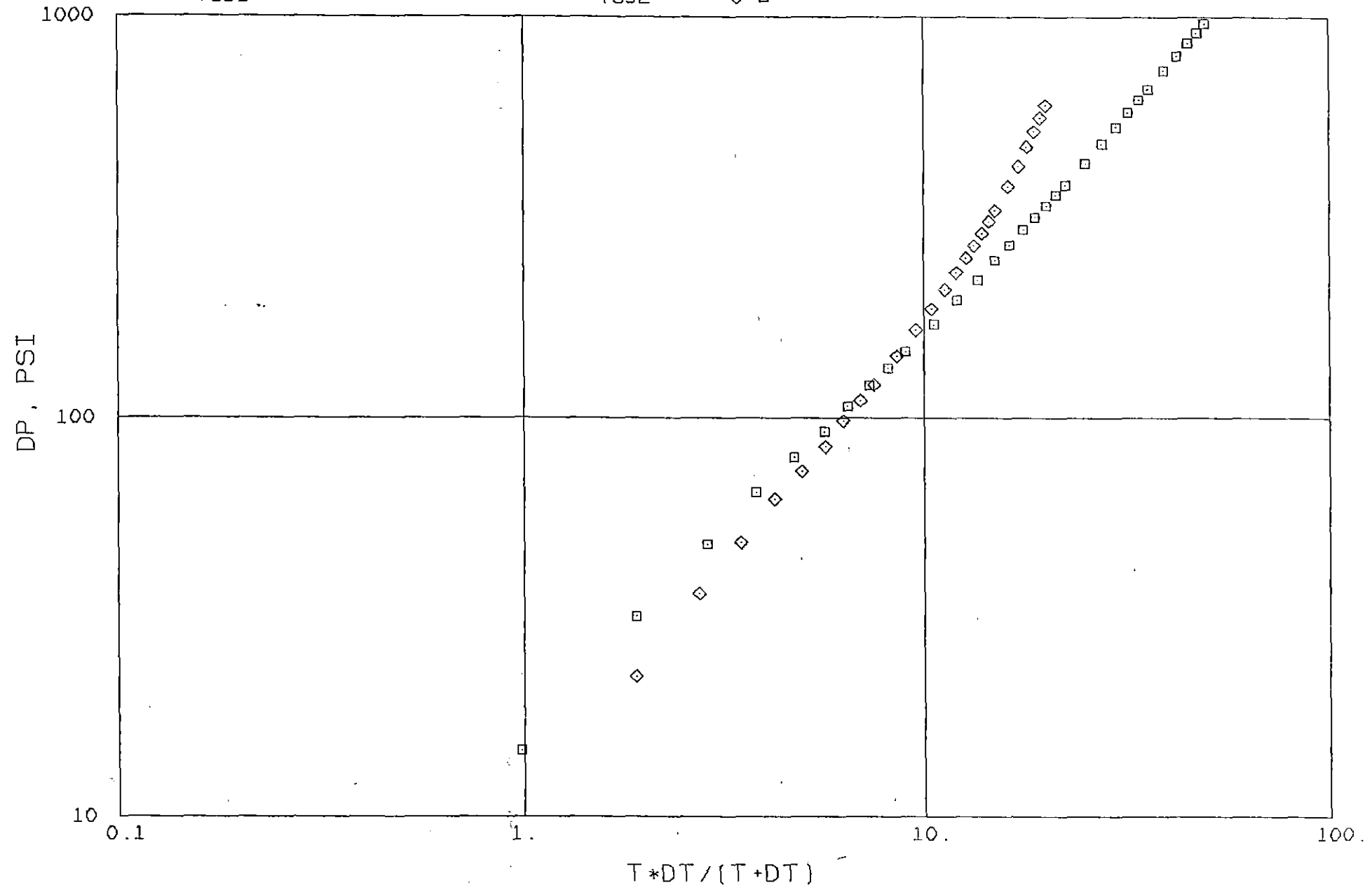
GAUGE NO CIP 1 2
7352 ◇ □



TICKET NO 88060000

GAUGE NO CIP 1 2
7351

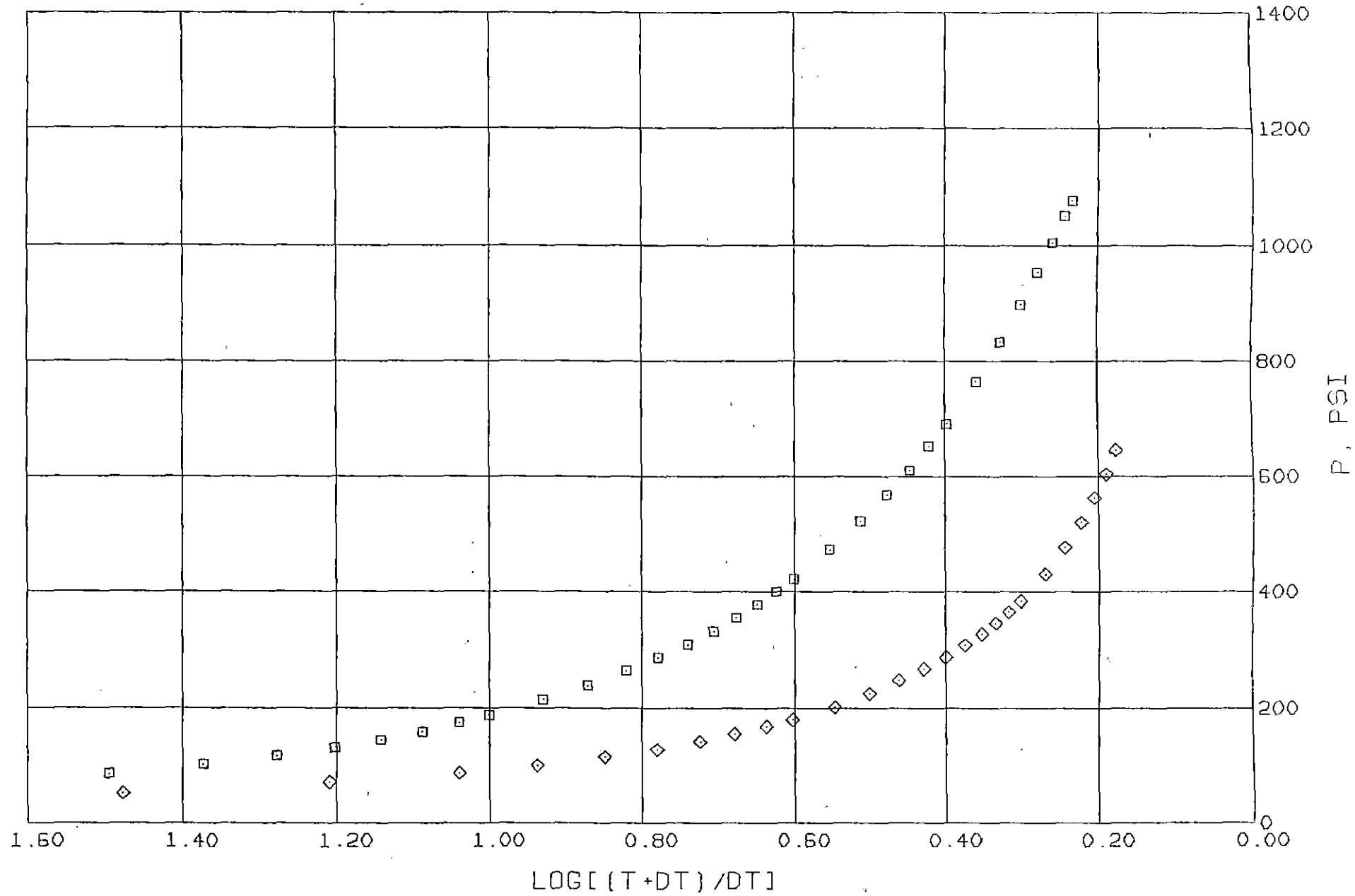
GAUGE NO CIP 1 2
7352 ◊ □



TICKET NO 88060000

GAUGE NO CIP 1 2
7351 ◇ □

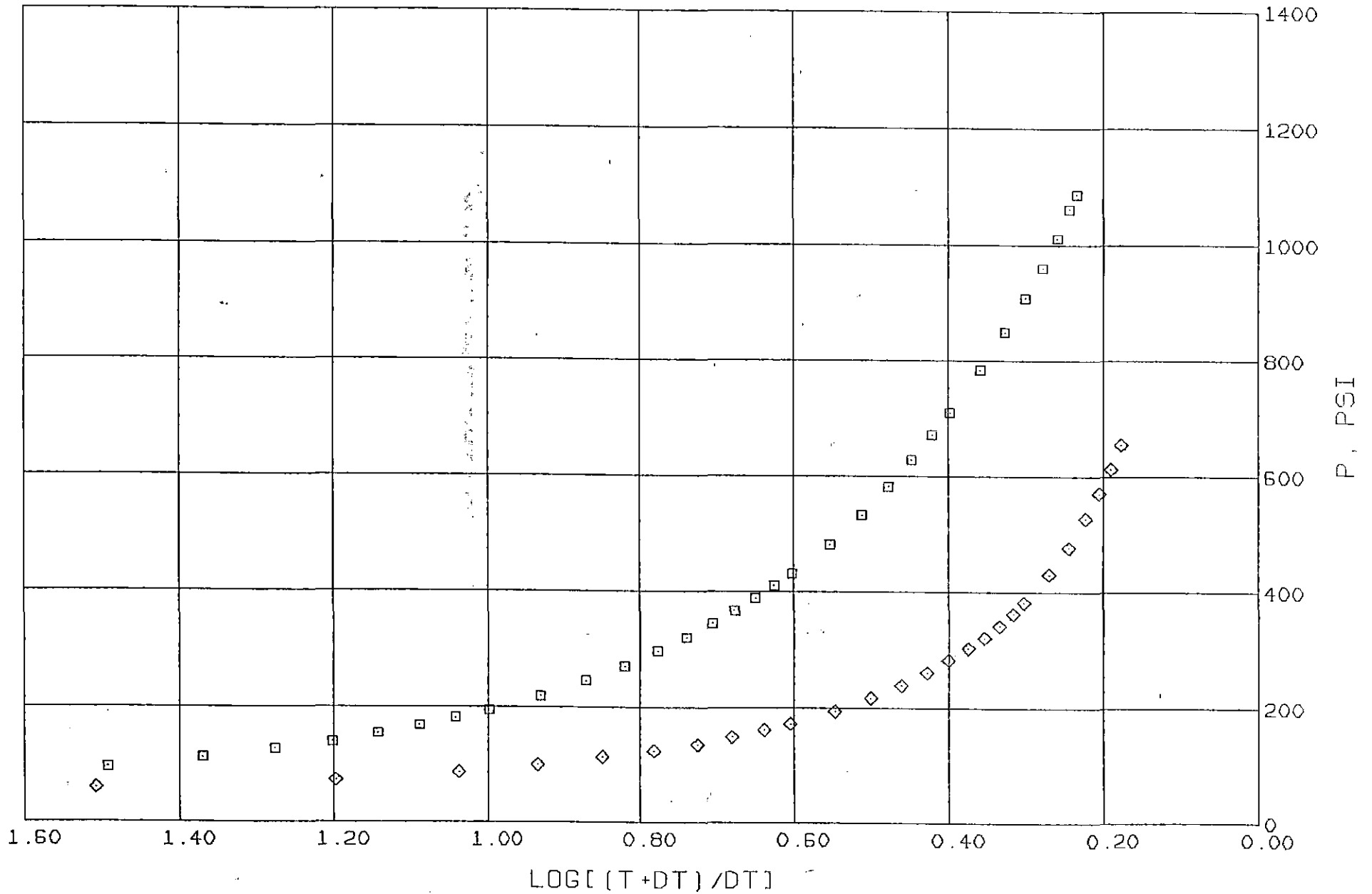
GAUGE NO CIP 1 2
7352 □ □



TICKET NO 88060000

GAUGE NO CIP 1 2
7351

GAUGE NO CIP 1 2
7352 \diamond \square



KCC

GABBERT-JONES, INC.
WICHITA, KANSAS

ORIGINAL

DRILLER'S WELL LOG

WELL NAME: Wettstein A-3
Sec 10-34S-34W
Seward County, Kansas

CONFIDENTIAL RELEASED

JUL 31 1997

COMMENCED: January 11, 1996
COMPLETED: January 22, 1996
OPERATOR: Anadarko Petroleum Corporation

15-175-21520 FROM CONFIDENTIAL

DEPTH		FORMATION	REMARKS
From	To		
0	690	Sand	
690	1085	Sand-Redbed-Gyp	Ran 40 jts of 23# 8 5/8"
1085	1280	Glorietta Sand	csg set @ 1662' w/255 sks
1280	1300	Sand	Prem Plus Midcon 3% CC
1300	1795	Redbed-Gyp	1/4# Flocele - 160 sks Prem Plus
1795	2290	Redbed-Shale	2% CC 1/4# Flocele
2290	3070	Shale	PD @ 8:45AM 01/12/96
3070	6550	Lime-Shale	1" to 80' w/100 sks Class C
	6550' TD		2% CC Job Complete @ 11:30AM 1/12/96

RECEIVED
KANSAS CORP
MAR 12 1997
A 0:29

MAR 12
CONFIDENTIAL

Ran 152 jts of 15 1/2# 5 1/2"
csg set @ 6519' w/50 sks
Veraset 6% Halid 322 9%
Veraset 1/4# Cellophane Flake Mix
11.0 PPG - 200 sks Veraset
6% Halid 322 9% Veraset
1/4# Cellophane Flake Mix 14.5 GPM
PD @ 8:30PM 01/22/96
RR @ 9:30PM 01/22/96

[STATE OF KANSAS]
[COUNTY OF SEDGWICK]

Subscribed and sworn to before me this
26th day of January, 1996.

Shirley A. Pelz
Shirley A. Pelz, Notary Public

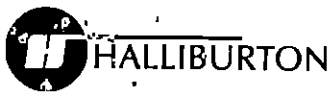
My commission expires:
October 18, 1997

I, the undersigned, being sworn on oath, state that
the above Driller's Well Log is true and correct to
the best of my knowledge and belief and according
to the records of this office.
GABBERT-JONES, INC.

James S. Sutton, II
James S. Sutton, II President

glog0001





JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

MidCont
Lisabeth Ks

BILLED ON TICKET NO.

KCC
919877FIELD _____ SEC. 10 TWP. 34S RNG. 34W COUNTY Seward 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 _____

CONFIDENTIAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		23	8 3/4	KB	1666	+ 1 1/2
LINER						
TUBING						
OPEN HOLE			12 1/4	Col	1666	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-12-96	DATE 1-12-96	DATE 1-12-96	DATE 1-12-96
TIME 0200	TIME 0400	TIME 0735	TIME 1130

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insect Float</u>	<u>1</u>	<u>Hawco</u>
FLOAT SHOE <u>Fillup</u>	<u>1</u>	
GUIDE SHOE <u>Reg</u>	<u>5</u>	
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER	<u>1</u>	
OTHER <u>Hawco udd A</u>	<u>1</u>	<u>KB</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. _____ 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 _____

RELEASED**FROM CONFIDENTIAL**

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D Davis</u>	<u>420042</u>	<u>Lisabeth Ks</u>
<u>T Davis</u>	<u>59179</u>	<u>"</u>
<u>D Hamilton</u>	<u>52823 / 75374</u>	<u>"</u>
<u>C Lay</u>	<u>52920 / 75374</u>	<u>Hugoton Ks</u>
<u>C Lay</u>	<u>63090 / 16611</u>	<u>"</u>
<u>C Lay</u>	<u>50737 / 75817</u>	<u>"</u>
<u>C Lay</u>	<u>50757 / 75817</u>	<u>"</u>

DEPARTMENT Cement

DESCRIPTION OF JOB 8 3/4 SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE Jim Barlow

HALLIBURTON OPERATOR Dennis Carr COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>255</u>	<u>MidCont</u>	<u>P+</u>		<u>3% Cl, 1/4# Floerch</u>	<u>3.22</u>	<u>11.1</u>
	<u>160</u>	<u>Prem Pkg</u>			<u>2% Cl, 1/4 Floerch</u>	<u>1.32</u>	<u>14.8</u>

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 _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 412 REASON Shoo down

SUMMARY**VOLUMES**

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 103.4

CEMENT SLURRY: BBL.-GAL. 183.84 / 23.5 5 1"

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER Amadoro Pella Corp

LEASE Wellstein A

WELL NO. 3#

JOB TYPE 8 3/4 SURFACE

DATE 1-12-96

CUSTOMER Ambrisko Peter	WELL NO. 3#	LEASE Wellstein	JOB TYPE 8 1/8 Squeeze	TICKET NO. 919877
-----------------------------------	-----------------------	---------------------------	----------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							Time Collected ORIGINAL
	NOW							Time Ready
	0400							Time Collected. Reg Circulate on Bottom
	0600							Start Pump casing CONFIDENTIAL
	0735							Casing into hole
	0735							RELEASED
	0745							Hook up to Circulate Casing
	0747							Circulate Casing w/ reg Pump
	0757							Circulate Mud to Eucled level
	0800	6.8	146.23					FROM CONFIDENTIAL
	0822		37.61					Hook up to Pump Truck
	0826		183.8					350 Start Mix Cement
	0827							300 Start Tail Cement
	0828	6						400 Finish Mix Cement
	0845		103.4					30% Shut Down Deep Plug
	1100	2						75 Start Displacement wash Pump's holes
	1115							450/1000 Plug Down
	1119		23.5					Float Held
	1129							Circulate NO Cement to P.T
	1130							Run 1" into hole 80 FT
	120							Hook up to 1"
	730							Start Mix Cement
								Circulate Cement to P.T 2 BBL / 8 SEC
								Finish washers
								Thanks For Calling Halliburton Energy
								Dennis Case & Crew



HAL-1906-N

CHARGE TO: Anadarko Petroleum Corp.
 ADDRESS: RECEIVED KANSAS CORP COMM
 CITY, STATE, ZIP CODE: 10:29 Ks

DUNCAN COPY

TICKET 919877 - 2

FROM CONFIDENTIAL

RELEASED JUL 31 1997

SERVICE LOCATIONS: Lehigh Ks 25540
Highway Ks 25535
 WELL/PROJECT NO.: 3#
 LEASE: Wettstein A
 COUNTY/PARISH: Sevier
 STATE: Ks
 CITY/OFFSHORE/LOCATION: LOC
 DATE: 1-12-96
 OWNER: Anadarko
 TICKET TYPE: SERVICE SALES
 NITROGEN JOB? YES NO
 CONTRACTOR: Garrett & Jones
 SHIPPED VIA: 12
 DELIVERED TO: LOC
 ORDER NO.:
 WELL TYPE: 01 03
 WELL CATEGORY: 010
 JOB PURPOSE: 8 1/2 SUECK
 WELL PERMIT NO.:
 WELL LOCATION: W W of Lehigh Ks
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1	MILEAGE	18	Miles			2.85	51.30
000-119		1	Crew M, large	18	Miles			1.50	27.00
001-016		1	Pump charge		FT				1320.00
030-018		1	5w Top Play	1	Each			130.00	130.00
12 A	825-217	1	Guide shoe	2	Hours	1	Unit	235.00	470.00
24 A	815-19508	1	Trajectory Float	1	Each	8 1/2		216.00	216.00
27	815-19415	1	Fillup	1				195.00	195.00
41	806-61048	1	Centralizers	1				64.00	64.00
320	806-71460	1	Basket	5				61.00	305.00
350	810-10801	1	Hours weld A	1	LB			124.00	124.00
				1				16.00	16.00

CONFIDENTIAL

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: Jim Barlow TIME SIGNED: A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

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?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 2919.05
FROM CONTINUATION PAGE(S): 7931.72, 2325.07
SUB-TOTAL: 2919.05
 APPLICABLE TAXES WILL BE ADDED ON INVOICE

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): Jim Barlow
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): Jim Barlow
 HALLIBURTON OPERATOR/ENGINEER: Dennis Corp
 EMP #: 58179
 HALLIBURTON APPROVAL:



HALLIBURTON

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 919877

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER: **Aradco Petroleum Corp.** WELL: **Uttstein "A"** DATE: **01-12-96** PAGE **3** OF **5**

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
504-050	516.00265				Premium Plus Cement	2	sk	12.62	1262.00
504-406	890.50812				Calcium Chloride 233/100, 2% on Side/100	2	sk	36.75	73.50
019-200					1" Pipe	100	ft	1.25	125.00
<p>ORIGINAL</p> <p>RELEASED</p> <p>JUL 31 1997</p> <p>FROM CONFIDENTIAL</p> <p>CONFIDENTIAL</p> <p>CONFIDENTIAL</p>									
500-306					Return Miles	25	miles	95	111.62
500-058					Service charge	100	SIC	20%	252.40
500-207						204	TON MILES	1.35	275.40
500-306						237	CUBIC FEET	.95	225.15

No. B 219604

CONTINUATION TOTAL 2325.07

WELL DATA

FIELD _____ SEC. 10 TWP. 34^S RNG. 34^W COUNTY Seward 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			5 1/2	K.B	6519	
LINER						
TUBING						
OPEN HOLE			7 7/8		6550	SHOTS/FT.
PERFORATIONS			ORIGINAL			
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-22</u>	DATE <u>1-22</u>	DATE <u>1-22</u>	DATE <u>1-22</u>
TIME <u>1000</u>	TIME <u>1200</u>	TIME <u>1835</u>	TIME <u>2030</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>5 1/2</u> <u>Tusent Float</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>Filings</u>	<u>1</u>	
GUIDE SHOE	<u>1</u>	
CENTRALIZERS	<u>19</u>	
BOTTOM PLUG		
TOP PLUG	<u>1</u>	
HEAD	<u>1</u>	
PACKER		
OTHER		

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 _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>OCover</u>	<u>420041</u>	<u>Lisabeth Ks</u>
<u>59179</u>		
<u>D Magruder</u>	<u>52938 A</u>	<u>"</u>
<u>61499</u>	<u>7848</u>	
<u>J Adair</u>	<u>50866</u>	<u>Hogston Ks</u>
<u>63818</u>	<u>7649</u>	

RELEASED

CONFIDENTIAL

JUL 31 1997

FROM CONFIDENTIAL

DEPARTMENT Cement
 DESCRIPTION OF JOB 5 1/2 Prod String

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X John Sliegin

HALLIBURTON OPERATOR Oliver Corne COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>Prem Vercast</u>			<u>9% Vercast 6% Haled 322 5% KCL 1/4 #70</u>	<u>3.5</u>	<u>11.0</u>
	<u>200</u>				<u>"</u>	<u>1.41</u>	<u>14.5</u>

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 _____

SUMMARY

PRESLUSH: BBL-GAL. 20 BBL / 100 GAL VOLUME 30 BBL / MF PE 20 BBL / KCL
 LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 154.3
 CEMENT SLURRY: BBL-GAL. 81.3
 TOTAL VOLUME: BBL-GAL. _____

REMARKS

TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE
 FEET 34.53 REASON Stop Cont

CUSTOMER Amstar's Filco Corp
 LEASE Wellsite
 WELL NO. A3
 JOB TYPE 5 1/2 Prod String
 DATE 1-22-96



HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: *Anadarko Petroleum Corp.*
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

DUNCAN COPY

TICKET

No. **919883 - 8**

PAGE 1 OF 1

SERVICE LOCATIONS <i>Liswell Ks 25540</i> <i>Higley Ks 25535</i>	WELL/PROJECT NO. <i>A 3</i>	LEASE <i>Waltstein</i>	COUNTY/PARISH <i>Sevier</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION <i>LOC 3</i>	DATE <i>1-22-96</i>	OWNER <i>Anadarko Petco</i>
TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <i>CONFIDENTIAL</i>	RIG NAME/NO. <i>Garrett 12th</i>	SHIPPED VIA <i>12th</i>	DELIVERED TO <i>LOC 3</i>	ORDER NO.	
WELL TYPE	WELL CATEGORY	WELL PURPOSE <i>5 1/2 Prod String</i>	WELL PERMIT NO. <i>035</i>	WELL LOCATION <i>WLD of Liswell Ks</i>	MAR 12 1996 CONF		
REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>RELEASED 1996</i>						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING LOC	DESCRIPTION	QTY.	UM	UNIT PRICE	AMOUNT
000-117	ORIGINAL	RELEASED	MILEAGE	18	Miles	2.85	51.30
000-019			New Mileage	18	Miles	1.50	27.18
000-016			Recharge	6519	FT		2175.18
000-018			5 1/2 Top Plug	1	Each		60.18
12 A			Guide shoe	1	Each	5 1/2	121.18
24 A			Tension Float	1		110	110.18
27			F. Keys	1		69	69.18
40			Controlizers	19		60	1140.18
018-315			Mud Flush	1260	gal	65	819.18
314-163			Clay Fix II	4	gal	28.00	112.18

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *John Shinn* TIME SIGNED: _____

A.M.
 P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	SURVEY <input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE	PAGE TOTAL 4684
TYPE LOCK DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input checked="" type="checkbox"/>	FROM CONTINUATION PAGE(S) 5593
BEAN SIZE SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS? <input checked="" type="checkbox"/>	
TYPE OF EQUALIZING SUB. CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input checked="" type="checkbox"/>	
TUBING SIZE TUBING PRESSURE WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input checked="" type="checkbox"/>	
TREE CONNECTION TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	

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) <i>John Shinn</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>John Shinn</i>	HALLIBURTON OPERATOR/ENGINEER <i>Dennis Coan</i>	EMP # <i>59179</i>	HALLIBURTON APPROVAL
--	---	---	-----------------------	----------------------

