

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6759
Name William N. Bucklin, III
Address 150 California St., Suite 300
City/State/Zip San Francisco, CA 94111

Purchaser INLAND PUR & TRANSP.

Operator Contact Person William N. Bucklin, III
Phone 415-433-7100

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist JOHN DAWSON
Phone 602-768-7519

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWMO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9/9/87 9/16/87 12-24-87
Spud Date Date Reached TD Completion Date
4,375' 4343' plugged 4-12-88
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 250.58 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt

API NO. 15-135-23,145-00-00
County Ness
NW/4 NW/4 NW/4 29 17S 21W East
Sec..... Twp..... Rge..... West

4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

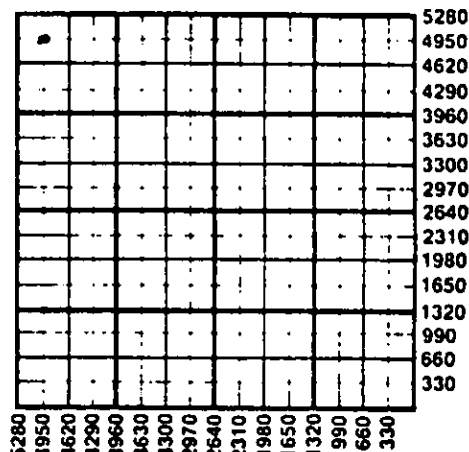
Lease Name Bremner Well # 2

Field Name SCHOOLHOUSE NORTH

Producing Formation MISSISSIPPI

Elevation: Ground 2213 KB 2218

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

Rob McGaughey, McCracken, Ks. 67556
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

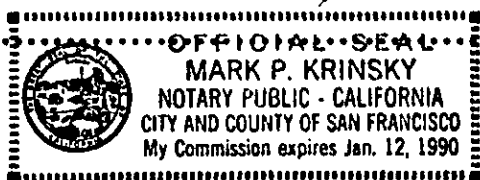
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 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 *W. N. Bucklin*
Title OPERATOR Date 1/18/88

Subscribed and sworn to before me this 18 day of Jan 1988.
Notary Public Mark P. Krinsky

Date Commission Expires



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

Form ACO-1 (7-84)

01-25-1988

Sec. 29 Twp. 17 Rge. 21W

SIDE TWO

Operator Name William N. Bucklin, III Lease Name Bremner Well # 2

Sec. 29 Twp. 17S Rge. 21W East West County Ness

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name Top Bottom

DST ENCLOSURE

HEEB 3684
 TOR 3701
 LANSING 3724
 PAWNEE 4100
 FT SOTT 4186
 MISS. 4288

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"	25#	258'	60/40 Poz	160	2% Gel 3% CC
Production	7 7/8"	5 1/2"	17#	4,374'	60/40 Poz	125	10 Bbl. Salt 10% Salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	4299 - 4303			Acid 350 GAL 15% INS		4303	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Size	Set At	Packer at			
12-24-87		2 7/8	4310'	None			
Date of First Production		Producing Method					
12-24-87		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
7 Bbls		0 MCF	293 Bbls			37	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled



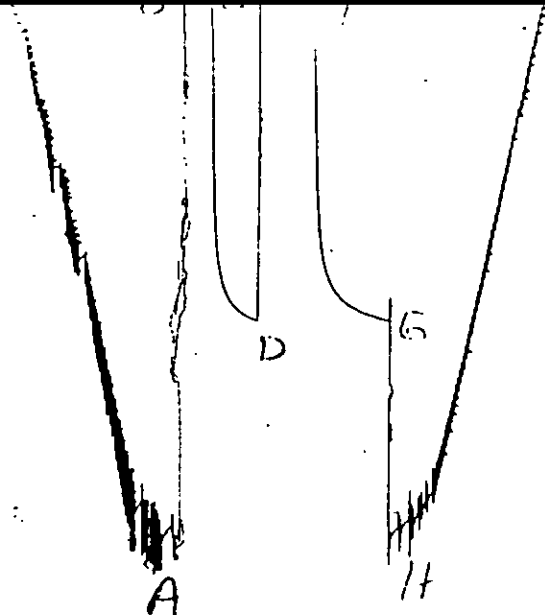
HALLIBURTON SERVICES

TICKET NO. 47645000
22-SEP-87
NESS CITY

FORMATION TESTING SERVICE REPORT

LEASE NAME	BRENNER	WELL NO	2	TEST NO	1	FIELD NO	4290.0 - 4325.0	FIELD INITIALS		COMPANY	NESS	STATE	KANSAS	IC
LEGAL LOCATION	29-17-21													
SEC - TRP - RNC														

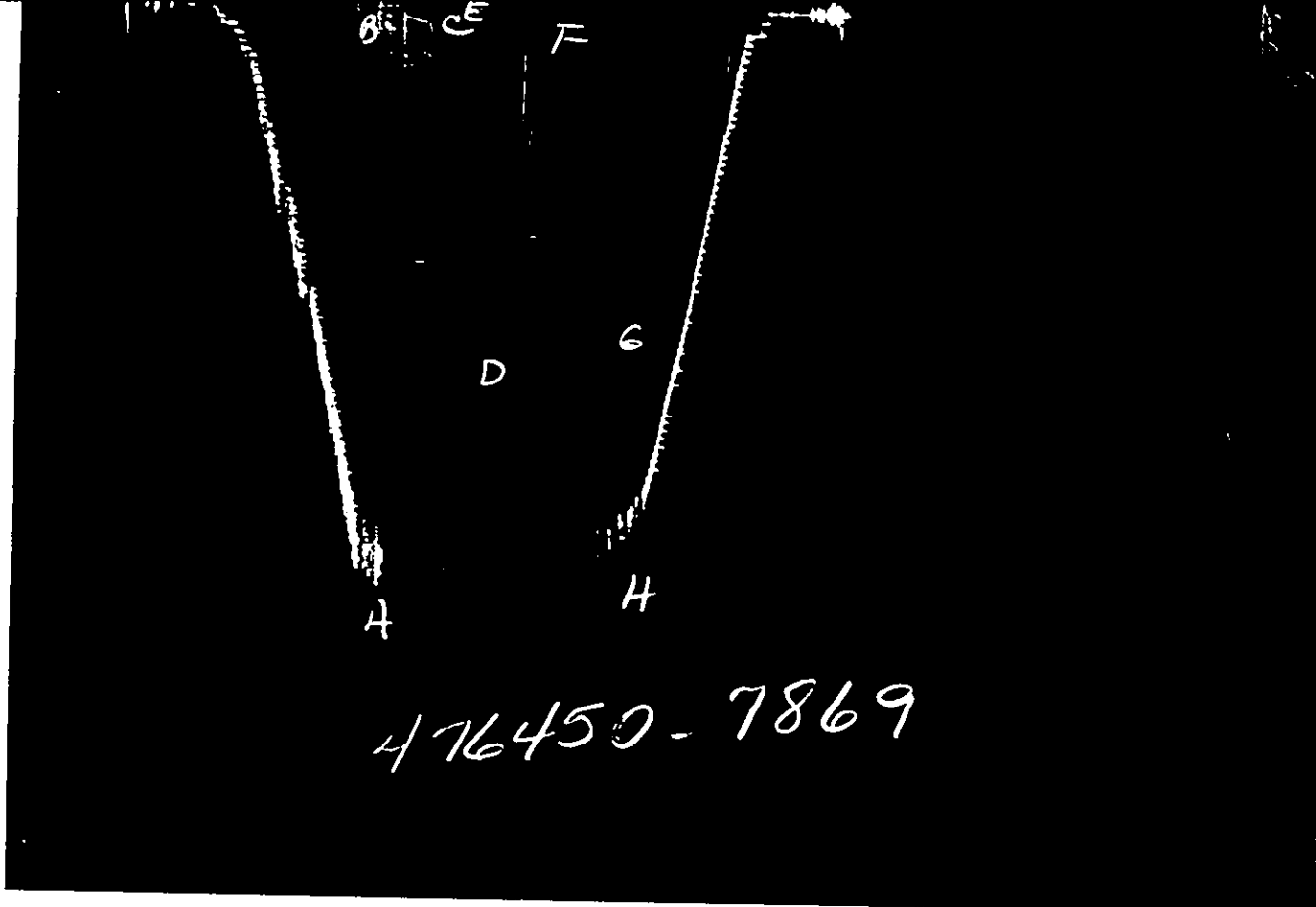
WILLIAM BUCKLIN III
FIELD OPERATOR/COMPANY MGR



476450-7870

GAUGE NO: 7870 DEPTH: 4275.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2103	2092.7			
B	INITIAL FIRST FLOW	20	22.9			
C	FINAL FIRST FLOW	40	42.7	15.0	15.6	F
C	INITIAL FIRST CLOSED-IN	40	42.7			
D	FINAL FIRST CLOSED-IN	1289	1278.7	30.0	29.0	C
E	INITIAL SECOND FLOW	60	63.1			
F	FINAL SECOND FLOW	80	82.7	30.0	29.5	F
F	INITIAL SECOND CLOSED-IN	60	62.7			
G	FINAL SECOND CLOSED-IN	1259	1271.5	45.0	45.7	C
H	FINAL HYDROSTATIC	2054	2057.5			



GAUGE NO: 7869 DEPTH: 4322.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2075.3			
B	INITIAL FIRST FLOW		35.9			
C	FINAL FIRST FLOW		60.7	15.0	15.8	F
D	INITIAL FIRST CLOSED-IN		60.7			
D	FINAL FIRST CLOSED-IN		1289.8	30.0	29.0	C
E	INITIAL SECOND FLOW		98.7			
F	FINAL SECOND FLOW		98.9	30.0	29.5	F
G	INITIAL SECOND CLOSED-IN		98.8			
G	FINAL SECOND CLOSED-IN		1281.1	45.0	45.7	C
H	FINAL HYDROSTATIC		2065.8			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MISSISSIPPI
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 35.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in) 7.875
 ELEVATION (ft) 2218.0 KELLY BUSHING
 TOTAL DEPTH (ft) 4325.0
 PACKER DEPTH(S) (ft) 4290
 FINAL SURFACE CHOKE (in) _____
 BOTTOM HOLE CHOKE (in) 9.750
 MUD WEIGHT (lb/gal) 8.90
 MUD VISCOSITY (sec) 51
 ESTIMATED HOLE TEMP. (°F) 120
 ACTUAL HOLE TEMP. (°F) _____ @ _____ ft

TICKET NUMBER: 47545000
 DATE: 9-16-87 TEST NO: 1
 TYPE DST: OPEN HOLE
 HALLIBURTON CAMP: _____
NESS CITY
 TESTER S. WITTING
 WITNESS: J. LAWSON
 DRILLING CONTRACTOR: _____
RED TIGER RIG #7

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

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

HYDROCARBON PROPERTIES

OIL GRAVITY (60°F) _____ @ _____ °F
 GAS/OIL RATIO (cc ft. gas/bbl) _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

6 FEET OF OIL OUT MUD (40% OIL, 60% MUD)
 52 FEET OF OIL OUT MUD (30% OIL, 70% MUD)
 62 FEET OF VERY SLIP-THRU OIL OUT MUD (2% OIL, 98% MUD)
 130 FEET TOTAL FLUID

MEASURED FROM TESTER VALVE

REMARKS :

HT-500 TEMPERATURE RECORDER DID NOT REGISTER TEMPERATURE.

TICKET NO: 47645000
 CLOCK NO: 28268 HOUR: 12



GAUGE NO: 7870
 DEPTH: 4275.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{t}$
FIRST FLOW					
B	1	0 0	22 9		
	2	2 0	23.3	0 4	
	3	4 0	24 4	1 1	
	4	6 0	25 9	2 5	
	5	8 0	27 3	3 3	
	5	10 0	28 8	4 5	
	7	12 0	29 4	2 6	
	8	14 1	29 9	2 5	
C	9	15 2	42 7	2 8	
FIRST CLOSED-IN					
C	1	0 0	42 7		
	2	1 0	159 5	125 8	0 9 1 227
	3	2 0	592 2	535 5	1 8 0 951
	4	3 0	899 3	856 6	2 5 0 795
	5	4 0	999 5	955 9	3 2 0 595
	6	5 0	1055 4	1012 7	3 8 0 520
	7	6 0	1130 4	1074 7	4 3 0 562
	8	7 0	1117 3	1074 5	4 8 0 512
	9	8 0	1141 2	1098 5	5 3 0 473
	10	9 0	1155 7	1115 3	5 7 0 441
	11	10 0	1175 7	1133 0	6 1 0 410
	12	12 0	1198 1	1156 4	6 8 0 365
	13	14 1	1215 5	1173 8	7 4 0 328
	14	15 1	1230 9	1186 2	8 0 0 297
	15	16 0	1242 4	1199 7	8 4 0 273
	16	20	1282 4	1208 7	6 8 0 252
	17	22	1288	1215 3	9 2 0 235
	18	24	1288 5	1222 9	9 5 0 220
	19	25	1271	1229 3	9 8 0 205
	20	28	1275 5	1232 8	10 1 0 184
D	21	23	1275 7	1234 0	10 2 0 188
SECOND FLOW					
E	1	0	55		
	2	2	52 7	-3 1	
	3	4	53 2	-2 1	
	4	6 0	50 0	0 1	
	5	8 0	50 5	0 6	
	6	10 0	52 2	1 6	
	7	12 0	55 4	3 1	
	8	14 0	58 1	2 7	
	9	15 0	70 2	2 1	
	10	18 0	71 5	1 4	
	11	20 0	72 5	1 0	
	12	22 0	73 1	0 5	
	13	24 0	74 5	1 4	
	14	25 0	75 7	2 2	

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{t}$
SECOND FLOW - CONTINUED					
F	15	28.0	79 3	2 6	
	16	29.5	82 7	3 4	
SECOND CLOSED-IN					
F	1	0 0	82 7		
	2	1 0	144 4	51 7	0 9 1 665
	3	2 0	275 2	132 5	1 9 1 375
	4	3 0	618 0	535 3	2 8 1 208
	5	4 0	835 4	752 7	3 7 1 059
	6	5 0	934 7	852 0	4 5 1 003
	7	6 0	999 8	917 1	5 3 0 935
	8	7 0	1042 9	950 2	6 0 0 875
	9	8 0	1073 3	950 5	6 8 0 822
	10	9 0	1094 2	1011 5	7 5 0 783
	11	10 0	1113 1	1030 4	8 2 0 741
	12	12 0	1143 4	1050 7	9 5 0 575
	13	14 0	1163 5	1080 9	10 7 1 525
	14	15 0	1180 8	1095 1	11 8 0 584
	15	18 0	1195 0	1112 3	12 9 0 545
	16	20 0	1205 8	1123 1	13 9 0 514
	17	22 0	1215 9	1133 1	14 8 0 485
	18	24 0	1222 7	1141 1	15 7 0 451
	19	25 0	1230 1	1147 3	16 5 0 438
	20	28 0	1235 5	1157 9	17 3 0 418
	21	30 0	1242 7	1161 0	18 1 0 400
	22	35 0	1254 1	1171 3	19 7 0 361
	23	40 0	1254 3	1181 5	21 2 0 325
G	24	45 7	1271 5	1185 5	22 8 0 299

REMARKS:

TICKET NO: 47645000

CLOCK NO: 28184 HOUR: 12



















GAUGE NO: 7869

DEPTH: 4322.0

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	36.9		
	2	2.0	38.3	1.4	
	3	4.0	41.0	2.7	
	4	6.0	45.8	4.8	
	5	8.0	49.8	4.0	
	6	10.0	52.5	2.7	
	7	12.0	55.7	3.1	
	8	14.0	57.9	2.2	
C	9	15.8	60.7	2.7	
FIRST CLOSED-IN					
C	1	0 0	60.7		
	2	1 0	122.5	51.8	1.0 1.213
	3	2 0	477.4	416.7	1.8 0.950
	4	3 0	804.7	744.0	2.5 0.801
	5	4 0	952.2	891.5	3.2 0.695
	6	5 0	1030.9	970.2	3.8 0.516
	7	6 0	1080.8	1020.2	4.4 0.559
	8	7 0	1115.6	1055.0	4.8 0.512
	9	8 0	1143.8	1083.1	5.3 0.474
	10	9 0	1164.4	1103.7	5.7 0.441
	11	10 0	1183.5	1122.9	6.1 0.410
	12	12 0	1208.8	1148.1	6.8 0.364
	13	14 0	1228.1	1167.5	7.4 0.329
	14	15 0	1242.9	1162.3	8.0 0.297
	15	18 0	1254.8	1194.2	8.4 0.273
	16	20 0	1264.6	1204.0	8.8 0.252
	17	22 0	1272.0	1211.3	9.2 0.235
	18	24 0	1278.6	1218.0	9.5 0.219
	19	25 0	1284.0	1223.2	9.8 0.206
	20	28 0	1288.8	1228.1	10.1 0.194
D	21	29 0	1289.9	1229.3	10.2 0.189
SECOND FLOW					
E	1	0 0	68.7		
	2	2 0	68.2	-0.5	
	3	4 0	69.5	1.3	
	4	6 0	71.8	2.3	
	5	8.0	74.0	2.1	
	6	10.0	76.2	2.2	
	7	12.0	77.7	1.5	
	8	14.0	79.9	2.2	
	9	16.0	82.0	2.1	
	10	18.0	84.1	2.1	
	11	20.0	86.5	2.3	
	12	22.0	88.5	2.1	
	13	24.0	90.8	2.2	
	14	26.0	92.7	2.0	

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
F	15	28 0	94.9	2.1	
	16	29 5	96.9	2.1	
SECOND CLOSED-IN					
F	1	0 0	96.9		
	2	1 0	153.4	56.5	1.0 1.560
	3	2 0	293.3	196.4	1.9 1.369
	4	3 0	557.0	460.0	2.8 1.206
	5	4 0	777.7	680.9	3.6 1.095
	6	5 0	912.8	815.8	4.5 1.002
	7	6 0	995.0	898.1	5.3 0.929
	8	7 0	1042.9	946.0	6.1 0.873
	9	8 0	1075.9	979.0	6.8 0.823
	10	8 9	1099.7	1002.8	7.5 0.783
	11	10 0	1118.0	1021.1	8.2 0.744
	12	12 0	1151.1	1054.2	9.5 0.579
	13	14 0	1175.0	1078.1	10.7 0.527
	14	16 0	1191.9	1095.0	11.8 0.584
	15	16 0	1205.8	1108.8	12.9 0.546
	16	20 0	1217.1	1120.1	13.9 0.514
	17	22 0	1227.1	1130.1	14.8 0.486
	18	24 0	1234.5	1137.6	15.7 0.461
	19	26 0	1241.6	1144.6	16.5 0.438
	20	28 0	1247.6	1150.5	17.3 0.418
	21	30 0	1252.4	1155.5	18.1 0.400
	22	35 0	1254.0	1167.1	19.7 0.361
	23	40 0	1273.6	1176.7	21.2 0.329
G	24	45 0	1281.1	1184.2	22.8 0.299

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	5.000	4.276	3887.0	
4		FLEX WEIGHT	5.000	4.276	248.0	
5		CROSSOVER.....	5.000	2.750	1.0	
50		IMPACT REVERSING SUB	5.000	2.250	1.0	4136.0
5		CROSSOVER.....	5.000	2.750	1.0	
4		FLEX WEIGHT	5.000	4.276	124.0	
5		CROSSOVER.....	5.750	2.750	1.0	
12		DUAL DIP VALVE.....	5.000	0.870	6.0	
50		HYDROSPRING TESTER	5.000	0.750	5.0	4273.0
30		RP RUNNING CASE	5.000	2.250	4.0	4275.0
15		JAR	5.000	1.750	5.0	
15		VR SAFETY JOINT	5.000	1.000	3.0	
70		OPEN HOLE PACKER	6.750	1.530	6.0	4290.0
20		FLUSH JOINT ANCHOR	5.000	2.370	28.0	
63		HT-500 TEMPERATURE CASE	5.000		1.0	4320.0
81		BLAMED-OFF RUNNING CASE	5.000		4.0	4322.0
		TOTAL DEPTH-				4325.0

EQUIPMENT DATA