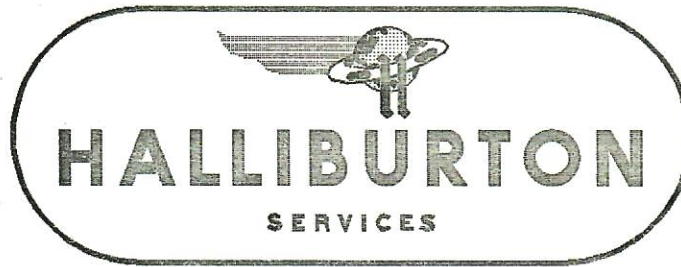




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TICKET NO. 31819500

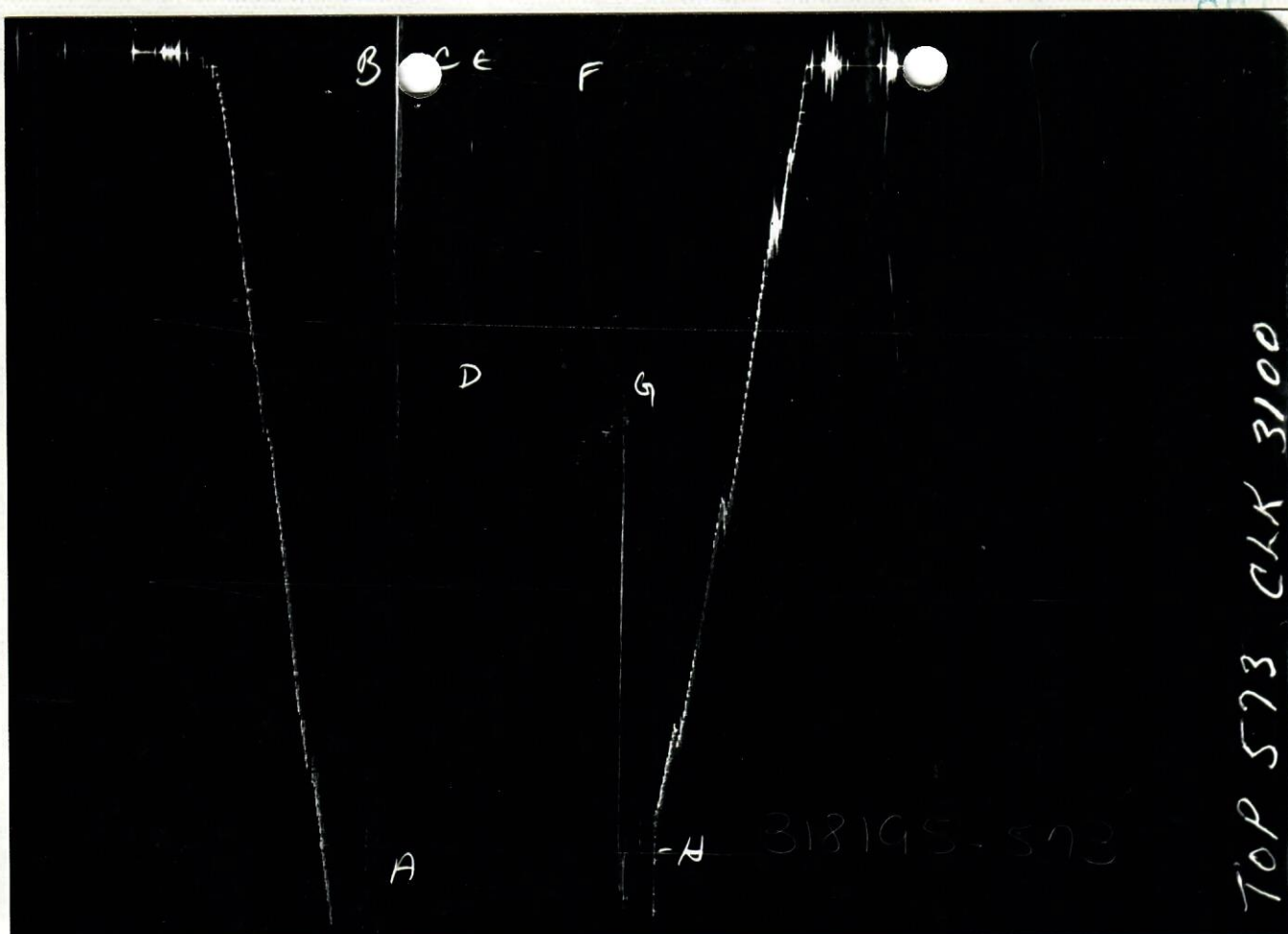
17-MAY-82

ROCK SPRINGS

FORMATION TESTING SERVICE REPORT

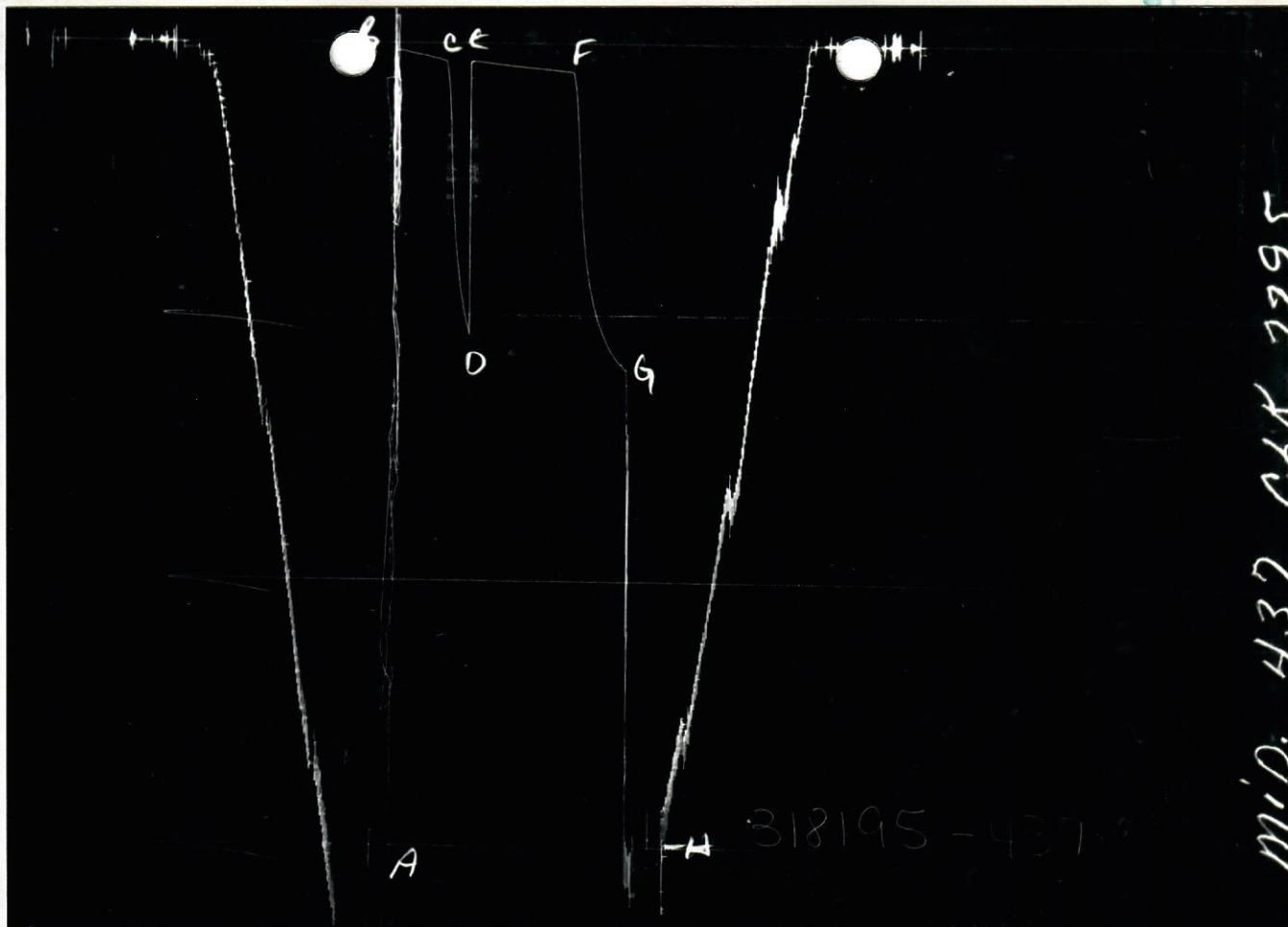
STATE	42-36	TEST NO.	3	TESTED INTERVAL	6091.1 - 6103.1	TIGER OIL COMPANY
LEASE NAME		WELL NO.				LEASE OWNER/COMPANY NAME
LEGAL LOCATION	36	35	592	FIELD AREA	WILDCAT	ADAMS
SEC. - TWP. - RNG.				COUNTY		STATE COLORADO
						P/J

☆



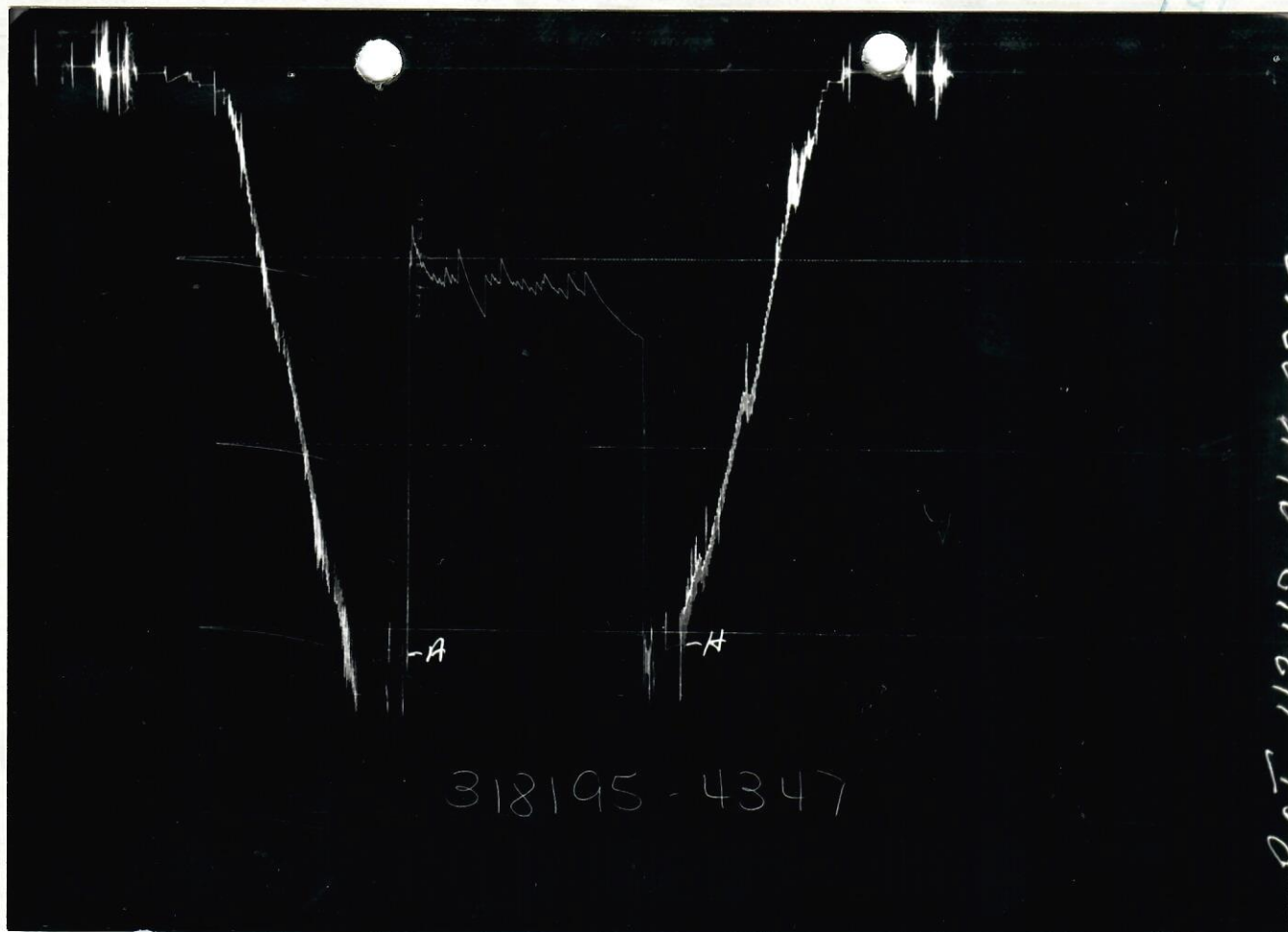
GAUGE NO: 573 DEPTH: 6065.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		3054.3			
B	INITIAL FIRST FLOW		22.2			
C	FINAL FIRST FLOW		60.0	60.0	60.2	F
C	INITIAL FIRST CLOSED-IN		60.0			
D	FINAL FIRST CLOSED-IN		1077.8	30.0	29.5	C
E	INITIAL SECOND FLOW		61.8			
F	FINAL SECOND FLOW		99.5	120.0	120.2	F
F	INITIAL SECOND CLOSED-IN		99.5			
G	FINAL SECOND CLOSED-IN		1201.6	60.0	65.6	C
H	FINAL HYDROSTATIC		2985.9			
I	HYDROSTATIC RELEASE					



GAUGE NO: 437 DEPTH: 6069.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		3061.5			
B	INITIAL FIRST FLOW		30.5			
C	FINAL FIRST FLOW		65.6	60.0	60.2	F
C	INITIAL FIRST CLOSED-IN		65.6			
D	FINAL FIRST CLOSED-IN		1080.6	30.0	29.5	C
E	INITIAL SECOND FLOW		75.1			
F	FINAL SECOND FLOW		106.5	120.0	120.2	F
F	INITIAL SECOND CLOSED-IN		106.5			
G	FINAL SECOND CLOSED-IN		1208.8	60.0	65.6	C
H	FINAL HYDROSTATIC		2990.8			
I	HYDROSTATIC RELEASE					



GAUGE NO: 4347 DEPTH: 6218.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		3139.2			
B	INITIAL FIRST FLOW					
C	FINAL FIRST FLOW			60.0		F
C	INITIAL FIRST CLOSED-IN					
D	FINAL FIRST CLOSED-IN			30.0		C
E	INITIAL SECOND FLOW					
F	FINAL SECOND FLOW			120.0		F
F	INITIAL SECOND CLOSED-IN					
G	FINAL SECOND CLOSED-IN			60.0		C
H	FINAL HYDROSTATIC		3068.0			
I	HYDROSTATIC RELEASE		1420.8			

EQUIPMENT & HOLE DATA

FORMATION TESTED: J-SAND

NET PAY (ft): _____

GROSS TESTED FOOTAGE: 12.0

ALL DEPTHS MEASURED FROM: KELLY BUSHING

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 7.875

ELEVATION (ft): 5150

TOTAL DEPTH (ft): 6221.0

PACKER DEPTH(S) (ft): 6082, 6091, 6103

FINAL SURFACE CHOKE (in): _____

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 10.00

MUD VISCOSITY (sec): 100

ESTIMATED HOLE TEMP. (°F): _____

ACTUAL HOLE TEMP. (°F): 160 @ _____ ft

TICKET NUMBER: 31819500

DATE: 5-8-82 TEST NO: 3

TYPE DST: ON BTM. STRADDLE

HALLIBURTON CAMP:
ROCK SPRINGS

TESTER: C. D. RIDER

WITNESS: PETE MATUSZCZAK

DRILLING CONTRACTOR:
TIGER DRILLING COMPANY #37

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>DRILL COLLARS</u>	<u>5.200 @ 68 °F</u>	<u>1000 ppm</u>
<u>DRILL COLLARS</u>	<u>4.000 @ 68 °F</u>	<u>1350 ppm</u>
<u>SAMPLER</u>	<u>3.000 @ 68 °F</u>	<u>1800 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 10

cu.ft. OF GAS: 0.02

cc OF OIL: 0

cc OF WATER: 1940

cc OF MUD: 0

TOTAL LIQUID cc: 1940

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F

GAS/OIL RATIO (cu.ft. per bbl): _____

GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

155 FEET OF MUDDY WATER, SLIGHTLY GAS CUT....

MEASURED FROM
TESTER VALVE

REMARKS:

UNABLE TO SCRIBE 4000# LINE ON BTS' 573 AND 437....

TICKET NO: 31819500

[illegible]

TICKET NO: 31819500

CLOCK NO: 3100 HOUR: 24



GAUGE NO: 573

DEPTH: 6065.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$	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	22.2								
	2	10.0	26.8	4.5							
	3	20.0	33.4	6.6							
	4	30.0	37.7	4.3							
	5	40.0	45.2	7.5							
	6	50.0	51.4	6.2							
C	7	60.2	60.0	8.6							
FIRST CLOSED-IN											
C	1	0.0	60.0								
	2	3.0	99.1	39.1	2.9	1.322					
	3	6.0	248.6	188.6	5.5	1.041					
	4	9.0	492.9	432.9	7.8	0.887					
	5	12.0	668.5	608.5	10.0	0.780					
	6	15.0	786.7	726.8	12.0	0.699					
	7	18.0	872.6	812.6	13.9	0.638					
	8	21.0	944.6	884.7	15.6	0.588					
	9	24.0	998.5	938.5	17.2	0.545					
	10	27.0	1045.4	985.4	18.6	0.509					
D	11	29.5	1077.8	1017.8	19.8	0.483					
SECOND FLOW											
E	1	0.0	61.8								
	2	20.0	68.0	6.2							
	3	40.0	74.9	6.9							
	4	60.0	81.3	6.4							
	5	80.0	87.4	6.1							
	6	100.0	93.4	6.0							
F	7	120.2	99.5	6.2							
SECOND CLOSED-IN											
F	1	0.0	99.5								
	2	5.0	213.7	114.2	4.8	1.571					
	3	10.0	485.2	385.6	9.5	1.281					
	4	15.0	710.8	611.3	13.8	1.116					
	5	20.0	848.8	749.3	18.0	1.001					
	6	25.0	934.6	835.0	22.0	0.915					
	7	30.0	999.6	900.1	25.7	0.846					
	8	35.0	1047.5	947.9	29.3	0.789					
	9	40.0	1084.7	985.1	32.8	0.741					
	10	45.0	1117.7	1018.1	36.0	0.700					
	11	50.0	1145.0	1045.4	39.1	0.664					
	12	55.0	1169.4	1069.9	42.2	0.631					
	13	60.0	1187.4	1087.9	45.1	0.603					
G	14	65.6	1201.6	1102.1	48.1	0.574					

REMARKS:

TICKET NO: 31819500

CLOCK NO: 2295 HOUR: 24



























GAUGE NO: 437

DEPTH: 6069.0

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	30.5		
	2	10.0	28.9	-1.5	
	3	20.0	36.6	7.7	
	4	30.0	43.5	6.8	
	5	40.0	49.7	6.3	
	6	50.0	56.8	7.0	
C	7	60.2	65.6	8.8	
FIRST CLOSED-IN					
C	1	0.0	65.6		
	2	3.0	121.6	56.0	2.9
	3	6.0	265.4	199.8	5.4
	4	9.0	545.7	480.1	7.8
	5	12.0	702.4	636.8	10.0
	6	15.0	814.3	748.7	12.0
	7	18.0	893.0	827.4	13.8
	8	21.0	952.7	887.1	15.6
	9	24.0	1009.8	944.2	17.2
	10	27.0	1050.2	984.6	18.7
D	11	29.5	1080.6	1015.0	19.8
SECOND FLOW					
E	1	0.0	75.1		
	2	20.0	72.9	-2.2	
	3	40.0	80.3	7.4	
	4	60.0	86.9	6.6	
	5	80.0	93.1	6.2	
	6	100.0	99.3	6.2	
F	7	120.2	106.5	7.2	
SECOND CLOSED-IN					
F	1	0.0	106.5		
	2	5.0	253.2	146.7	4.9
	3	10.0	530.5	424.0	9.5
	4	15.0	750.3	643.8	13.9
	5	20.0	868.7	762.3	18.0
	6	25.0	951.8	845.3	22.0
	7	30.0	1012.5	906.0	25.7
	8	35.0	1057.3	950.8	29.3
	9	40.0	1093.8	987.3	32.8
	10	45.0	1125.3	1018.8	36.0
	11	50.0	1152.2	1045.7	39.2
	12	55.0	1174.0	1067.5	42.1
	13	60.0	1187.6	1081.1	45.0
G	14	65.6	1208.8	1102.3	48.1

[illegible]

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.000	3.340	5837.0	
3		DRILL COLLARS.....	6.250	2.250	183.0	
50		IMPACT REVERSING SUB.....	6.250	2.750	1.4	6020.0
3		DRILL COLLARS.....	6.250	2.250	31.0	
5		CROSSOVER.....	5.750	3.000	0.7	
13		DUAL CIP SAMPLER.....	5.000	0.870	6.8	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	6063.0
80		AP RUNNING CASE.....	5.000	3.060	4.0	6065.0
80		AP RUNNING CASE.....	5.000	3.060	4.0	6069.0
15		JAR.....	5.000	1.500	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.7	
70		OPEN HOLE PACKER.....	7.000	1.530	5.0	6082.0
18		DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70		OPEN HOLE PACKER.....	7.000	1.530	6.0	6091.0
21		PERFORATED TAIL PIPE.....	5.750	2.400	5.0	
5		CROSSOVER.....	6.125	2.250	1.0	
97		BLANKED OFF V.R. SAFETY JOINT...	5.000	1.000	2.7	
70		OPEN HOLE PACKER.....	7.000	1.530	5.0	6103.0
19		ANCHOR PIPE SAFETY JOINT.....	5.750	1.750	4.0	
5		CROSSOVER.....	5.750	3.250	0.7	
3		DRILL COLLARS.....	6.250	2.250	95.3	
5		CROSSOVER.....	5.750	2.250	0.9	
21		PERFORATED TAIL PIPE.....	5.750	2.400	9.0	
81		BLANKED-OFF RUNNING CASE.....	5.750	2.400	4.0	6218.0
TOTAL DEPTH					6221.0	

EQUIPMENT DATA