

HALLIBURTON SERVICES

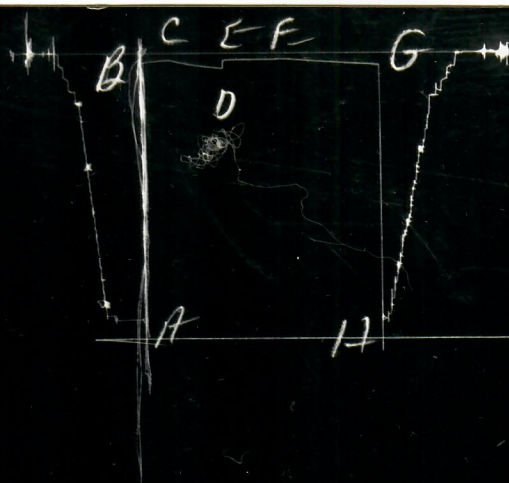
TICKET NO. 50920500
13-JUL-87
VERNAL



00221435

FORMATION TESTING SERVICE REPORT

MILLON MALL TRIP		18-6	1	2000.0 - 2163.0	MILLON OIL COMPANY
LEASE NAME	MELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	18-7N-86W	FIELD AREA	WILDCAT	COUNTY	ROUTE
				STATE	COLORADO DR



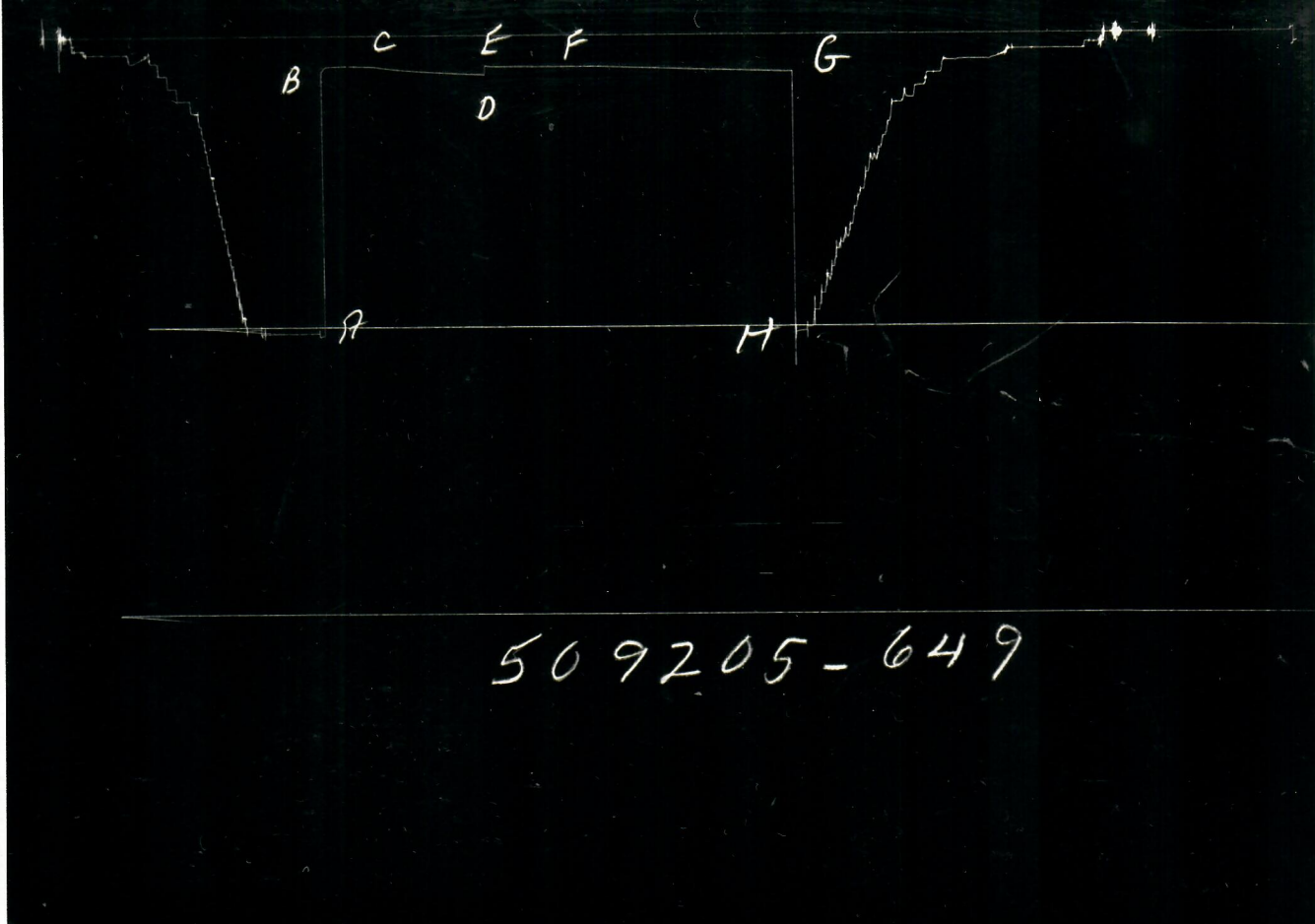
509205-4426

GAUGE NO: 4426 DEPTH: 1976.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	929	932.1			
B	INITIAL FIRST FLOW	24	33.4	30.0	30.0	F
C	FINAL FIRST FLOW	24	23.1			
C	INITIAL FIRST CLOSED-IN	24	23.1	66.0	66.0	C
D	FINAL FIRST CLOSED-IN	65	51.0			
E	INITIAL SECOND FLOW	19	25.9	60.0	60.0	F
F	FINAL SECOND FLOW	19	19.7			
F	INITIAL SECOND CLOSED-IN	19	19.7	120.0	120.0	C
G	FINAL SECOND CLOSED-IN	37	40.0			
H	FINAL HYDROSTATIC	929	930.8			

BEST IMAGE

AVI



GAUGE NO: 649 DEPTH: 2160.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1019	1022.2			
B	INITIAL FIRST FLOW	115	121.6			
C	FINAL FIRST FLOW	106	105.8	30.0	30.0	F
C	INITIAL FIRST CLOSED-IN	106	105.8			
D	FINAL FIRST CLOSED-IN	124	136.0	66.0	66.0	C
E	INITIAL SECOND FLOW	89	105.0			
F	FINAL SECOND FLOW	89	107.9	60.0	60.0	F
F	INITIAL SECOND CLOSED-IN	89	107.9			
G	FINAL SECOND CLOSED-IN	142	128.1	120.0	120.0	C
H	FINAL HYDROSTATIC	1019	1019.2			

BEST IMAGE
AVAILABLE

EQUIPMENT & HOLE DATAFORMATION TESTED: SEE REMARKSNET PAY (ft): 100.0GROSS TESTED FOOTAGE: 163.0ALL DEPTHS MEASURED FROM: KELLY BUSHING

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 8.750ELEVATION (ft): 7766.0 KELLY BUSHINGTOTAL DEPTH (ft): 2163.0PACKER DEPTH(S) (ft): 1993, 2000

FINAL SURFACE CHOKE (in): _____

BOTTOM HOLE CHOKE (in): 0.750MUD WEIGHT (lb/gal): 9.00MUD VISCOSITY (sec): 45

ESTIMATED HOLE TEMP. (°F): _____

ACTUAL HOLE TEMP. (°F): 103 @ 2159.0 ftTICKET NUMBER: 50920500DATE: 7-3-87 TEST NO: 1TYPE DST: OPEN HOLEHALLIBURTON CAMP:
VERNALTESTER: EROS R. AROCHOWITNESS: TOM POPPDRILLING CONTRACTOR:
SHELBY DRILLING**FLUID PROPERTIES FOR
RECOVERED MUD & WATER**

SOURCE

RESISTIVITY

CHLORIDES

MUD PIT	<u>0.310 @ 68 °F</u>	<u>1400 ppm</u>
TOP OF FLUID	<u>0.240 @ 68 °F</u>	<u>1600 ppm</u>
SAMPLE CHAMBER	<u>0.230 @ 68 °F</u>	<u>1850 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATAP_{sig} AT SURFACE: 17.0cu.ft. OF GAS: 12.660

cc OF OIL: _____

cc OF WATER: _____

cc OF MUD: 800.0TOTAL LIQUID cc: 800.0**HYDROCARBON PROPERTIES**

OIL GRAVITY (°API): _____ @ _____ °F

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



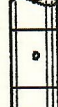















GAS GRAVITY: _____

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED :APPROXIMATELY 15' OF MUD
NO SOLIDS OR SANDSMEASURED FROM
TESTER VALVE**REMARKS :**

FORMATION TESTED: NIOBRARA BUCK PEAK BENCH

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	1630.0	
3		DRILL COLLARS.....	6.000	2.375	272.0	
152		PUMPOUT & IMPACT REVERSING SUB..	5.875	2.688	1.0	1873.0
3		DRILL COLLARS.....	6.000	2.375	89.0	
5		CROSSOVER.....	6.000	2.250	1.0	
13		DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	1974.3
80		AP RUNNING CASE.....	5.000	2.250	4.1	1976.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.7	
70		OPEN HOLE PACKER.....	7.375	1.500	7.4	1992.5
70		OPEN HOLE PACKER.....	7.375	1.530	7.4	2000.0
20		FLUSH JOINT ANCHOR.....	5.750	3.500	24.0	
5		CROSSOVER.....	5.688	3.000	1.0	
3		DRILL COLLARS.....			120.8	
5		CROSSOVER.....	6.313	2.875	1.2	
25		TORQUE LIMITER ASSEMBLY.....	5.750	3.500	10.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.1	2160.0
TOTAL DEPTH					2163.0	

EQUIPMENT DATA

