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ARTESIA, OFF.

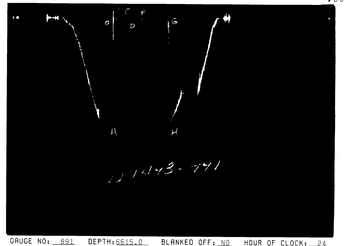
HALLIBURTON
SERVICES

TICKET NO. 22749300
11-JUL-86
ARTESIA

FORMATION TESTING SERVICE REPORT

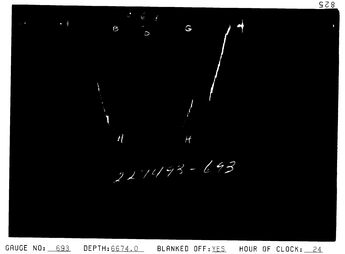
TICKET NO. 22749300	DATE 11-JUL-86	FORM. NAME	
TEST NO. 5		FORM. TYPE	
		PRES. DEPTH	6636.0 - 6673.0
		HOLE SIZE	7 7/8
WITNESS DAVID SWEENEY		TOOL TYPE	
TESTER T. FLETCHER		HOLE DEVIATION	
DRILLING CONTRACTOR DRAKE DRILLING COMPANY		ELEVATION	3460.0 GROUND LEVEL
COUNTY EDDY	STATE NEW MEXICO		

HANSEN OIL COMPANY
LEASE & WELL NO. HANSEN #1



GAUGE NO: 991 DEPTH: 6615.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE REPORTED	PRESSURE CALCULATED	TIME REPORTED	TIME CALCULATED	TYPE
A	INITIAL HYDROSTATIC	3468	3453.9			
B	INITIAL FIRST FLOW	22	26.1	15.0	15.0	F
C	FINAL FIRST FLOW	22	26.1			
C	INITIAL FIRST CLOSED-IN	22	26.1	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	86	82.2			
E	INITIAL SECOND FLOW	22	30.6	60.0	60.0	F
F	FINAL SECOND FLOW	22	30.6			
F	INITIAL SECOND CLOSED-IN	22	30.6	120.0	120.0	C
G	FINAL SECOND CLOSED-IN	65	61.1			
H	FINAL HYDROSTATIC	3425	3438.4			



GAUGE NO: 693 DEPTH: 6674.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE REPORTED	PRESSURE CALCULATED	TIME REPORTED	TIME CALCULATED	TYPE
A	INITIAL HYDROSTATIC	3484	3481.3			
B	INITIAL FIRST FLOW	43	58.5	15.0	15.0	F
C	FINAL FIRST FLOW	43	54.6			
C	INITIAL FIRST CLOSED-IN	43	54.6	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	108	108.1			
E	INITIAL SECOND FLOW	43	59.8	60.0	60.0	F
F	FINAL SECOND FLOW	43	59.8			
F	INITIAL SECOND CLOSED-IN	43	59.8	120.0	120.0	C
G	FINAL SECOND CLOSED-IN	87	85.8			
H	FINAL HYDROSTATIC	3462	3468.0			

EQUIPMENT & HOLE DATA

FORMATION TESTED: PENNSYLVANIA
NET PAY (ft): 6.6
GROSS TESTED FOOTAGE: 41.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 3460.0 GROUND LEVEL
TOTAL DEPTH (ft): 6677.0
PACKER DEPTH(S) (ft): 6630, 6635
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.70
MUD VISCOSITY (sec): 39
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 135 @ 6673.0 ft

TICKET NUMBER: 22749300
DATE: 7-6-86 TEST NO: 5
TYPE DST: OPEN HOLE
HALLIBURTON CAMP: ARTESIA
TESTER: T. FLETCHER
WITNESS: DAVID SWEENEY
DRILLING CONTRACTOR: DRAKE DRILLING COMPANY

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
SAMPLER	0.290 @ 0 °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE: 18.0
cu.ft. OF GAS: 0.120
cc OF OIL:
cc OF WATER:
cc OF MUD: 1400.0
TOTAL LIQUID cc: 1400.0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

10 FEET OF DRILLING MUD

MEASURED FROM TESTER VALVE

REMARKS:

RECOVERY WAS TOO VISCOUS TO RUN RESISTIVITY.

TYPE & SIZE MEASURING DEVICE: 6" ADJUSTIVE CHOKE — TICKET NO: 22749300

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
7-6-86					
0020					PICKED UP TOOLS
0135					TRIPPED IN HOLE
0545	BH	0			OPENED TOOL WITH 1" IN BUCKET
0550					BLOW INCREASING TO 1.5"
0555					BLOW INCREASING TO 2"
0600					CLOSED TOOL - BLOW DECREASING
					TO 1.5" IN BUCKET
0700					OPENED TOOL - BLOW 1" IN BUCKET
0705					BLOW DECREASING TO 1/2" IN BUCKET
0710					BLOW 1/4" IN BUCKET
0715					BLOW AT TOP OF WATER UNTIL TOOL
					CLOSED
0800					CLOSED TOOL - BLOW AT TOP OF
					WATER
1000					PULLED LOOSE
1500					LOADED OUT

TICKET NO. 22749300

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	6028.0	
3	DRILL COLLARS.....	6.250	2.250	478.8	
50	IMPACT REVERSING SUB.....	6.250	2.500	1.0	6507.0
3	DRILL COLLARS.....	6.250	2.250	93.0	
5	CROSSOVER.....	6.250	2.500	1.0	
13	DURC CIP SAMPLER.....	5.000	0.870	7.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	6613.0
80	AP RUNNING CASE.....	5.000	2.250	4.0	6615.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	6630.0
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	6636.0
20	FLUSH JOINT ANCHOR.....	5.750	2.870	35.0	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.0	6674.0
	TOTAL DEPTH				6677.0

EQUIPMENT DATA