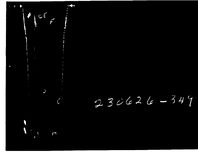
HALLIBURTON
SERVICES

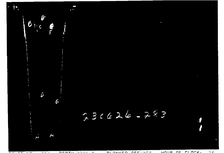
TICKET NO. 23062600
RT-04-RV
FARMINGTON

FORMATION TESTING SERVICE REPORT



GAUGE NO: 348 DEPTH: 3000.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE MINUTES	PRESSURE READING	TIME MINUTES	TIME READING	TYPE
A	INITIAL HYDROSTATIC	2071	2004.8			
B	INITIAL FIRST FLOW	132	153.6	30.0	34.7	F
C	FINAL FIRST FLOW	239	305.9			
D	INITIAL FIRST CLOSED-IN	239	305.9	30.0	26.1	C
D	FINAL FIRST CLOSED-IN	1369	1287.2			
E	INITIAL SECOND FLOW	159	195.6	30.0	34.2	F
F	FINAL SECOND FLOW	310	301.0			
F	INITIAL SECOND CLOSED-IN	310	301.0	60.0	55.8	C
G	FINAL SECOND CLOSED-IN	1544	1554.9			
H	FINAL HYDROSTATIC	1595	1973.5			



GAUGE NO: 293 DEPTH: 3036.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE MINUTES	PRESSURE READING	TIME MINUTES	TIME READING	TYPE
A	INITIAL HYDROSTATIC	2069	2092.2			
B	INITIAL FIRST FLOW	215	225.6			
C	FINAL FIRST FLOW	275	344.2	30.0	34.7	F
C	INITIAL FIRST CLOSED-IN	275	344.2	30.0	26.1	C
D	FINAL FIRST CLOSED-IN	1325	1304.1			
E	INITIAL SECOND FLOW	228	212.5	30.0	34.2	F
F	FINAL SECOND FLOW	328	328.1			
F	INITIAL SECOND CLOSED-IN	328	328.1	60.0	55.8	C
G	FINAL SECOND CLOSED-IN	1583	1586.5			
H	FINAL HYDROSTATIC	2035	2034.0			

EQUIPMENT & HOLE DATA

FORMATION TESTED: 1ST MESAVERDE
NET PAY (ft): 26.0
GROSS TESTED FOOTAGE: 30.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERF. (ft): NONE
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5500
TOTAL DEPTH (ft): 3330.0
PACKER DEPTH(S) (ft): 3274, 3281
FINAL SURFACE CHOKE (in): 0.25000
BOTTOM HOLE CHOKE (in): 0.0000
MUD WEIGHT (lb/gal): 8.70
MUD VISCOSITY (sec): 40
ESTIMATED HOLE TEMP. (°F): 120
ACTUAL HOLE TEMP. (°F): 108 @ 3330.0

TICKET NUMBER: 23062600
DATE: 6-26-2023 TEST NO: 4
TYPE OBT: OPEN HOLE
HALLIBURTON COMP: FARMINGTON
TESTER: C. BURT
WITNESS: BILL CLARK
DRILLING CONTRACTOR: FOUR CORNERS #4

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
PIT	@ 68.0 = .86 ohm	800 ppm
PIT	@ 68.0 = .86 ohm	800 ppm
MIDDLE	@ 68.0 = .86 ohm	800 ppm
BOTTOM	@ 68.0 = .86 ohm	800 ppm
SAMPLER	@ 68.0 = .82 ohm	900 ppm

SAMPLER DATA

PSIG AT SURFACE: 100.0
CU. FT. OF GAS: 2.23
CC OF OIL: 0
CC OF WATER: 1275.0
CC OF MUD: 0
TOTAL LIQUID CC: 1275.0

HYDROCARBON PROPERTIES

OIL GRAVITY (API): 0.00
GAS/OIL RATIO (cu.ft./bbl): 0.00
GAS GRAVITY: 0.000

CUSHION DATA

TYPE: NONE AMOUNT: 0.00 WEIGHT: 0.00

RECOVERED:

150' OF MUD
60' OF WATER CUT MUD
100' OF GAS WITH OIL CUT MUD

PRESSURE GAUGE RANGE

REMARKS:

LEAKS INDICATE POSSIBLE PARTIAL PLUGGING OF THE ANCHOR PIPE PERFORATIONS DURING THE INITIAL FLOW PERIOD. THE DRILLSTEM PRESSURE RESPONDS DURING THE SECOND FLOW PERIOD IS BELIEVED TO BE GAS BLEEDING THROUGH THE RECOVERED FLUID.

REQUESTED CALIBRATION SERVICE (C.S.) NOT BE PERFORMED DUE TO INSUFFICIENT PRESSURE BUILDUP DURING THE CLOSED IN PERIODS.

.....SEE NEXT PAGE FOR THE REMAINDER OF REMARKS.....

TYPE & SIZE MEASURING DEVICE: TICKET NO: 23062600

TIME	SURFACE PRESSURE	GAS RATE MCF	LIQUID RATE BPD	REMARKS
1302				BLEEDING CONTINUES
				RESUMED ON GAUGE 348
				AUTOMATICALLY DUE TO STACK
				STOPPING.
				FORMATION TESTED, MIDDLE
				FRUITLAND COAL.
				PRESSURIZE TEST DATA.
0125-05				
0612				ON LOCATION
0645				PICKED UP TOOL
0659				TOOL ON STRIPPED IN
0700	11PSI	0		OPENED TOOL
0701		4.02		
0702		6.04		
0703		10.06		
0704		20.12		
0705		32.12		
0707		3.54		
0708				
0709		5.5		
0710		5.25		
0711		5		
0712		5.25		
0713		5.5		
0714		5.5		
0715		5.5		
0716		5.5		
0717		5.25		
0718		5.25		
0719		5.25		
0720		5.25		
0721		5.25		
0722	25	29		OPENED CHOKE TO .25"
0723				GAS TO SURFACE
0726		28	42.0	
0729		28	42.0	
0731	8H			CLOSED TOOL
				OPENED TOOL

TYPE & SIZE MEASURING DEVICE: TICKET NO: 23062600

TIME	SURFACE PRESSURE	GAS RATE MCF	LIQUID RATE BPD	REMARKS
1302				
1303	.25	27	81.4	OPENED CHOKE TO .25"
1304		33	90.8	
1305		36	74.6	
1306		42	80.5	
1311		35	74.6	
1910		35.5	70.8	
1921		35	65.4	
1929		29.5	65	
1931		28	62.8	CLOSED TOOL
				OPENED BYPASS-TAPPED OUT
1945				JOB COMPLETED

LEGEND:
COMMENTS:
REMARKS:

TICKET NO: 23062600 HALLIBURTON GAUGE NO: 348
CLOCK NO: 14170 HOUR: 24 DEPTH: 3320.0

REF	MINUTES	PRESSURE	REF	DIF	DIF REF	DIF MINUTES
		FIRST FLOW				
A	0.0	2004.8				
B	34.7	153.6	2004.8	-1851.2	0.0	0.0
		FIRST CLOSED-IN				
C	0.0	305.9				
D	26.1	1287.2	305.9	981.3	0.0	0.0
		SECOND FLOW				
E	0.0	195.6				
F	34.2	301.0	195.6	105.4	0.0	0.0
		SECOND CLOSED-IN				
F	0.0	301.0				
G	55.8	1554.9	301.0	1253.9	0.0	0.0
H			1554.9	-1554.9	0.0	0.0

TICKET NO: 23062600 HALLIBURTON GAUGE NO: 349
CLOCK NO: 13741 HOUR: 24 DEPTH: 3320.0

REF	MINUTES	PRESSURE	REF	DIF	DIF REF	DIF MINUTES
		FIRST FLOW				
A	0.0	2092.2				
B	34.7	344.2	2092.2	-1748.0	0.0	0.0
		FIRST CLOSED-IN				
C	0.0	344.2				
D	26.1	1304.1	344.2	959.9	0.0	0.0
		SECOND FLOW				
E	0.0	212.5				
F	34.2	328.1	212.5	115.6		
		SECOND CLOSED-IN				
F	0.0	328.1				
G	55.8	1586.5	328.1	1258.4	0.0	0.0
H			1586.5	-1586.5	0.0	0.0

REMARKS:

TICKET NO: 23062600 HALLIBURTON GAUGE NO: 293
CLOCK NO: 13741 HOUR: 24 DEPTH: 3336.0

REF	MINUTES	PRESSURE	REF	DIF	DIF REF	DIF MINUTES
		FIRST FLOW				
A	0.0	2069.2				
B	34.7	225.6	2069.2	-1843.6	0.0	0.0
		FIRST CLOSED-IN				
C	0.0	344.2				
D	26.1	1304.1	344.2	959.9	0.0	0.0
		SECOND FLOW				
E	0.0	228.5				
F	34.2	328.1	228.5	99.6		
		SECOND CLOSED-IN				
F	0.0	328.1				
G	55.8	1586.5	328.1	1258.4	0.0	0.0
H			1586.5	-1586.5	0.0	0.0

REMARKS:

TICKET NO. 23062600

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.500	3.826	2948.0	
2	DRILL COLLARS	4.500	2.500	496.0	
3	HALLIBURTON MFG. TOOL	4.000	0.000	1.0	3145.0
4	DRILL COLLARS	4.500	2.500	61.0	
5	CROSSOVER	4.000	2.440	1.0	
6	SUB, CUT SHORT	5.000	0.875	7.0	
7	HYDROSPRING TESTER	5.000	0.750	5.0	3218.0
8	AP RUNNING CASE	5.000	2.250	4.0	3223.0
9	JAR	5.000	1.750	5.0	
10	AB SAFETY JOINT	5.000	.750	3.0	
11	OPEN HOLE PACKER	6.750	1.500	6.0	3235.0
12	OPEN HOLE PACKER	6.750	.750	6.0	3241.0
13	CROSSOVER	5.000	3.000	1.0	
14	DRILL COLLARS	4.500	.750	30.0	
15	CROSSOVER	4.000	2.000	1.0	
16	FLOW JOINT PACKER	5.750	2.500	25.0	
17	BLANKED-OFF RUNNING CASE	5.750		4.0	3336.0
	TOTAL DEPTH				3336.0

EQUIPMENT DATA