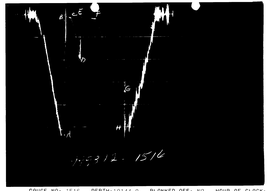
HALLIBURTON SERVICES

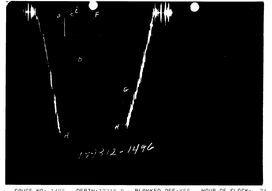
TICKET NO. 99931200
10-DEC-84
HOBBS

FORMATION TESTING SERVICE REPORT



GAUGE NO: 1516 DEPTH: 10144.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE MINUTES	PRESSURE CALCULATED	TIME MINUTES	TIME CALCULATED	TYPE
A	INITIAL HYDROSTATIC	5080	5127.1			
B	INITIAL FIRST FLOW	87	132.3	30.0	31.0	F
C	FINAL FIRST FLOW	131	132.0			
D	INITIAL FIRST CLOSED-IN	131	132.0	60.0	59.6	C
D	FINAL FIRST CLOSED-IN	2162	1920.8			
E	INITIAL SECOND FLOW	87	97.5	90.0	90.5	F
F	FINAL SECOND FLOW	219	186.8			
F	INITIAL SECOND CLOSED-IN	219	186.8	180.0	179.9	C
G	FINAL SECOND CLOSED-IN	3376	3416.3			
H	FINAL HYDROSTATIC	5099	5089.5			



GAUGE NO: 1496 DEPTH: 10216.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE MINUTES	PRESSURE CALCULATED	TIME MINUTES	TIME CALCULATED	TYPE
A	INITIAL HYDROSTATIC	5170	5180.5			
B	INITIAL FIRST FLOW	132	122.0	30.0	26.4	F
C	FINAL FIRST FLOW	177	162.0			
C	INITIAL FIRST CLOSED-IN	177	162.0	60.0	59.6	C
D	FINAL FIRST CLOSED-IN	1986	1895.9			
E	INITIAL SECOND FLOW	132	90.1	90.0	90.5	F
F	FINAL SECOND FLOW	221	208.4			
F	INITIAL SECOND CLOSED-IN	221	208.4	180.0	179.9	C
G	FINAL SECOND CLOSED-IN	3447	3440.6			
H	FINAL HYDROSTATIC	5126	5129.7			

EQUIPMENT & HOLE DATA

FORMATION TESTED: Sihapi
NET PAY (ft): ____
GROSS TESTED FOOTAGE: 54.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): ____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 4314
TOTAL DEPTH (ft): 10218.0
PACKER DEPTH(S) (ft): 10159, 10164
FINAL SURFACE CHOKE (in): 0.250
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.40
MUD VISCOSITY (sec): 43
ESTIMATED HOLE TEMP. (°F): ____
ACTUAL HOLE TEMP. (°F): 160 @ 10216.0 ft

TICKET NUMBER: 99931200
DATE: 12-7-84 TEST NO: 2
TYPE DST: OPEN HOLE
HALLIBURTON CAMP: HOBBS
TESTER: RAY FULLER
WITNESS: C. BELLAH
DRILLING CONTRACTOR: K.C.W.O.

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
SAMPLER	0.140 @ 65.°F	43500 ppm
PIT	0.130 @ 65.°F	45000 ppm
TOOL TOP	0.140 @ 65.°F	43000 ppm
TOP OF RECOVERY	0.110 @ 65.°F	59000 ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Pxtg AT SURFACE: 20
cu.ft. OF GAS: 0.40
cc OF OIL: 0
cc OF WATER: 1800
cc OF MUD: 0
TOTAL LIQUID cc: 1800

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE: ____ AMOUNT: ____ WEIGHT: ____

RECOVERED:

180 FEET OF FORMATION WATER
347 FEET OF HEAVY GAS CUT MUD WITH TRACE OF OIL

RECEIVED AT OCT 1 1985 ACME

REMARKS:

ELEVATION SHOWN IS AT GROUND LEVEL.

THERE WAS A TRACE OF OIL IN THE SAMPLER.

TYPE 4 SIZE: MERGURING DEVICES FLOWE MANIFOLD TICKET NO: 99931200

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
12-7-84					
1100					ON LOCATION
1200					PICKED UP TOOLS
1345					WENT IN HOLE WITH TOOLS
1654	BH				OPENED TOOL WITH A FAIR BLOW
					MRO 2" IN BUCKET
1659		1.2			INCREASING-BUBBLE HOSE OPEN
					ON GAUGE
1704		2.4			SAME
1709		2.8			SAME
1714		3.4			SAME
1719		3.6			SAME
1724		3.8			CLOSED TOOL
1924					OPENED TOOL WITH GOOD BLOW
1929		9.5			INCREASING
1934		6.5			STABLE
1939		6.5			STABLE UNTIL 1954
1954		6.3			DECREASING
1959		6.2			DECREASING-GAS TO SURFACE
2021		6.2			STABLE
2029	.25	7			OPENED ON 1/4" CHOKE
2034		6.25			DECREASED
2039		6.25			STABLE
2124		6			DECREASED
2129		5.75			SAME
2134		5.5			SAME
2139		5.5			STABLE
2144		5			DECREASED
2149		5			STABLE
2154		5			CLOSED TOOL
2254					OPENED BYPASS AND PULLED OUT
12-8-84					
0230					BROKE OUT TOOLS
0430					JOB COMPLETED

TICKET NO: 99931200 HALLIBURTON SERVICES GAUGE NO: 1516
CLOCK NO: 5678 HOUR: 24 DEPTH: 10144.0

REF	MINUTES	PRESSURE	ΔP	DATE CODE	TIME CODE
		FIRST FLOW			
B 1	0.0	110.3			
2	5.0	80.0	-30.3		
3	10.0	90.1	6.1		
4	15.0	100.0	9.9		
5	20.0	110.1	10.1		
6	25.0	121.0	10.9		
C 7	31.0	132.0	8.5		
		FIRST CLOSED-IN			
C 1	0.0	132.0			
2	4.0	217.0	85.0	3.0	0.330
3	8.0	318.4	186.8	6.4	0.086
4	12.0	396.4	264.8	9.0	0.061
5	16.0	550.4	395.8	12.8	0.043
6	20.0	640.9	514.8	12.1	0.033
7	24.0	774.1	641.8	13.3	0.028
8	28.0	901.5	769.5	14.7	0.024
9	32.0	1021.4	889.4	15.9	0.021
10	36.0	1137.1	1005.1	16.8	0.019
11	40.0	1311.9	1179.8	17.5	0.049
12	44.0	1437.5	1305.4	18.2	0.016
13	48.0	1543.1	1410.9	18.8	0.015
14	52.0	1653.6	1521.4	19.3	0.014
15	56.0	1771.0	1638.9	19.6	0.013
D 16	59.5	1920.0	1788.0	20.4	0.180
		SECOND FLOW			
E 1	0.0	97.5			
2	10.0	153.1	55.6		
3	20.0	154.1	6.4		
4	30.0	162.0	9.7		
5	40.0	167.4	6.4		
6	50.0	172.0	5.3		
7	60.0	175.3	3.3		
8	70.0	177.7	2.4		
9	80.0	180.3	2.6		
F 10	90.5	186.8	6.5		
		SECOND CLOSED-IN			
F 1	0.0	186.8			
2	10.0	367.0	180.2	9.3	1.110
3	20.0	580.4	393.6	14.1	0.707
4	30.0	780.4	593.6	16.1	0.583
5	40.0	1045.2	858.3	18.1	0.506
6	50.0	1239.3	1113.5	19.4	0.539
7	60.0	1503.6	1386.8	20.2	0.481

REF	MINUTES	PRESSURE	ΔP	DATE CODE	TIME CODE
		SECOND CLOSED-IN - CONTINUED			
8	70.0	1804.0	1717.2	44.4	0.437
9	80.0	2101.7	2015.0	50.5	0.398
10	90.0	2355.7	2426.0	51.7	0.372
11	100.0	2598.4	2669.5	54.9	0.345
12	110.0	2850.5	2921.7	57.7	0.327
13	120.0	3090.9	3024.1	60.4	0.309
14	130.0	3241.0	3374.2	61.3	0.293
15	140.0	3327.5	3140.7	61.0	0.279
16	150.0	3352.0	3170.0	61.1	0.250
17	160.0	3390.1	3203.3	69.0	0.249
18	170.0	3417.3	3220.0	70.8	0.234
G 19	176.5	3416.3	3229.8	72.5	0.224

REMARKS:

TICKET NO: 99931200 HALLIBURTON SERVICES GAUGE NO: 1496
CLOCK NO: 5677 HOUR: 24 DEPTH: 10216.0

REF	MINUTES	PRESSURE	ΔP	DATE CODE	TIME CODE
		FIRST FLOW			
B 1	0.0	120.0			
2	5.0	117.9	-4.1		
3	10.0	123.2	5.3		
4	15.0	130.9	7.7		
5	20.0	140.0	9.1		
6	25.0	151.7	9.1		
C 7	29.4	162.0	20.3		
		FIRST CLOSED-IN			
C 1	0.0	162.0			
2	5.3	242.7	80.6	4.7	0.142
3	7.5	325.6	158.5	5.3	0.414
4	10.0	403.0	240.9	6.0	0.250
5	11.5	465.5	303.5	7.4	0.550
6	12.8	547.6	285.8	8.6	0.467
7	14.0	541.0	379.0	10.0	0.429
8	15.7	693.1	465.5	11.3	0.411
9	17.5	771.0	548.0	12.2	0.394
10	20.3	841.3	624.3	12.6	0.354
11	26.0	855.4	717.4	13.0	0.260
12	32.5	893.5	809.5	14.1	0.217
13	36.0	1125.2	960.1	15.0	0.417
14	38.5	1203.9	1041.9	15.7	0.408
15	44.0	1401.0	1239.0	16.5	0.264
16	48.0	1536.6	1374.5	17.0	0.191
17	52.0	1653.0	1490.9	17.5	0.168
18	56.0	1771.0	1608.0	18.0	0.151
D 19	59.5	1895.9	1731.9	18.7	0.150
		SECOND FLOW			
E 1	0.0	99.1			
2	10.0	155.5	56.4		
3	20.0	174.8	9.3		
4	30.0	184.0	9.2		
5	40.0	189.2	6.4		
6	50.0	194.1	5.0		
7	60.0	198.1	4.0		
8	70.0	201.8	3.9		
9	80.0	204.9	3.1		
F 10	90.5	208.4	5.5		
		SECOND CLOSED-IN			
F 1	0.0	208.4			
2	10.0	320.7	187.2	9.2	1.110
3	20.0	547.6	390.6	17.1	0.698

REF	MINUTES	PRESSURE	ΔP	DATE CODE	TIME CODE
		SECOND CLOSED-IN - CONTINUED			
4	30.0	818.1	637.7	23.9	0.500
5	40.0	1080.1	899.7	28.4	0.429
6	50.0	1337.2	1088.8	30.0	0.364
7	60.0	1572.5	1324.0	39.7	0.472
8	70.0	1802.9	1554.4	43.0	0.429
9	80.0	2102.7	1854.2	47.5	0.391
10	90.0	2351.9	2103.4	50.4	0.360
11	100.0	2602.4	2353.9	53.4	0.335
12	110.0	2833.5	2584.5	56.7	0.314
13	120.0	3083.7	2835.2	59.2	0.298
14	130.0	3279.3	3031.5	61.5	0.278
15	140.0	3416.3	3168.5	63.0	0.259
16	150.0	3519.2	3270.8	65.1	0.250
17	160.0	3571.3	3323.0	67.5	0.227
G 18	170.0	3601.6	3353.3	70.0	0.207

REMARKS:

LEGEND:
CO-CLOSED-UP
SO-STEP-UP
REMARKS:
1) THE TOOLS WERE IN HOLE STAPPED DURING THE FIRST FLOW PERIOD. ON 5-20-6 MINUTES RECORDED.
ALSO,DUE TO THE TRUNCATED CLOCK IN PRESSURE AND DATE/TIME CODE ON FIRST-STARTING.

TICKET NO. 99931200

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.000	3.340	9513.0	
2	X-OVER				
3	DRILL COLLARS	6.500	2.250	454.0	
4	IMPACT REVERSING SUB	6.500	2.750	1.0	9968.5
5	DRILL COLLARS	6.500	2.250	190.0	
6	CROSSOVER	6.000	2.250	1.0	
7	MULTIPLE ZIP SAMPLER	5.000	0.750	6.0	10132.0
8	EXTENSION JOINT	5.000	0.870	5.0	
9	EXTENSION JOINT	5.000	0.870	5.0	
10	AP RUNNING CASE	5.000	3.250	5.0	10144.0
11	JAR	5.000	1.750	5.0	
12	VR SAFETY JOINT	5.000	1.000	3.0	
13	OPEN HOLE PACKER	7.000	1.680	5.0	10150.0
14					
15	OPEN HOLE PACKER	7.000	1.680	5.0	10164.0
16					
17	DRILL COLLARS	6.500	2.250	91.0	
18	CROSSOVER	6.000	2.563	1.0	
19	PERFORATED TAIL PIPE	5.750	2.870	15.0	
20					
21	BLANKED-OFF RUNNING CASE	5.750		4.0	10216.0

TOTAL DEPTH 10218.0

EQUIPMENT DATA