

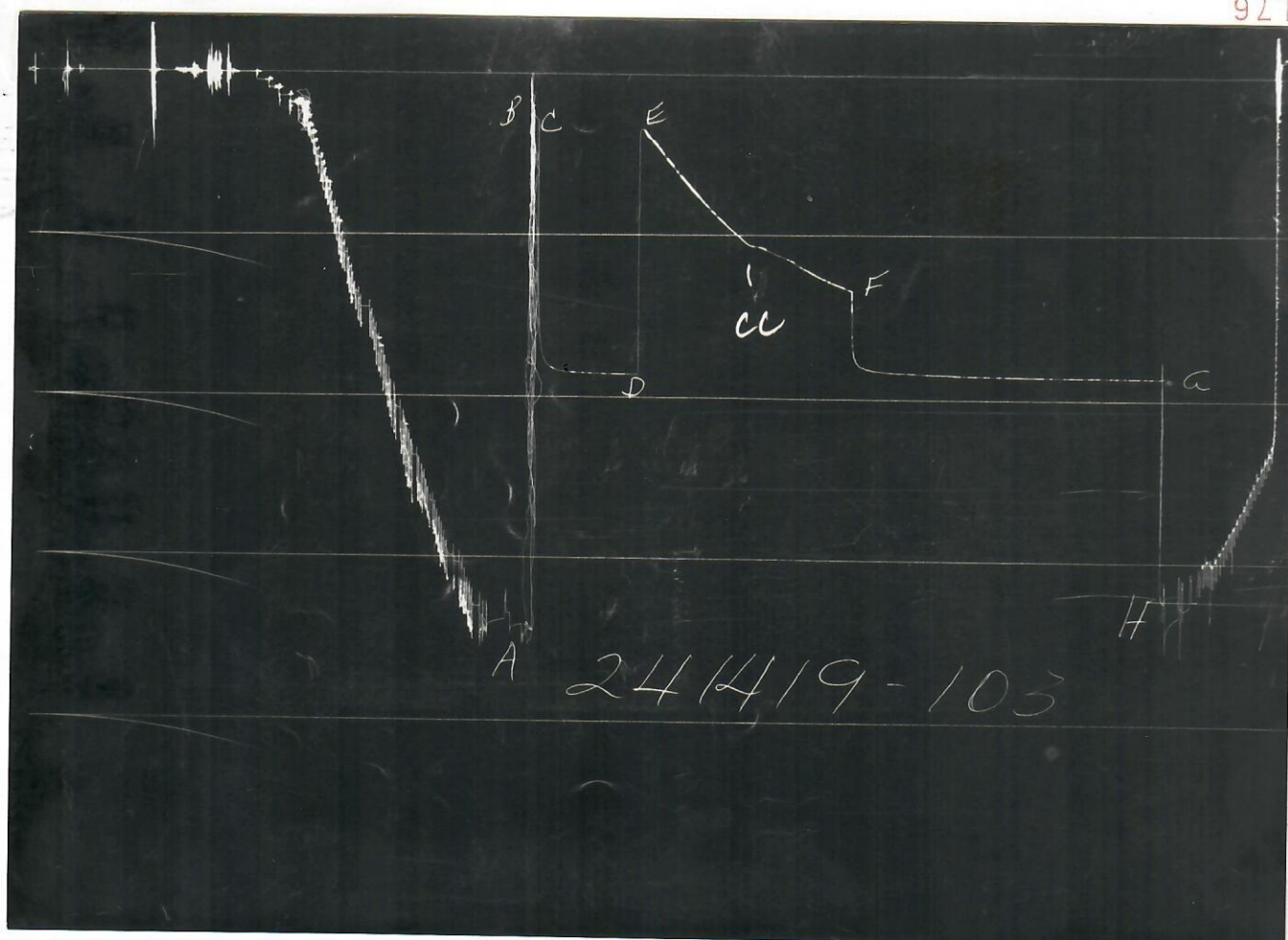
TICKET NO. 24141900

06-SEP-85

GILLETTE

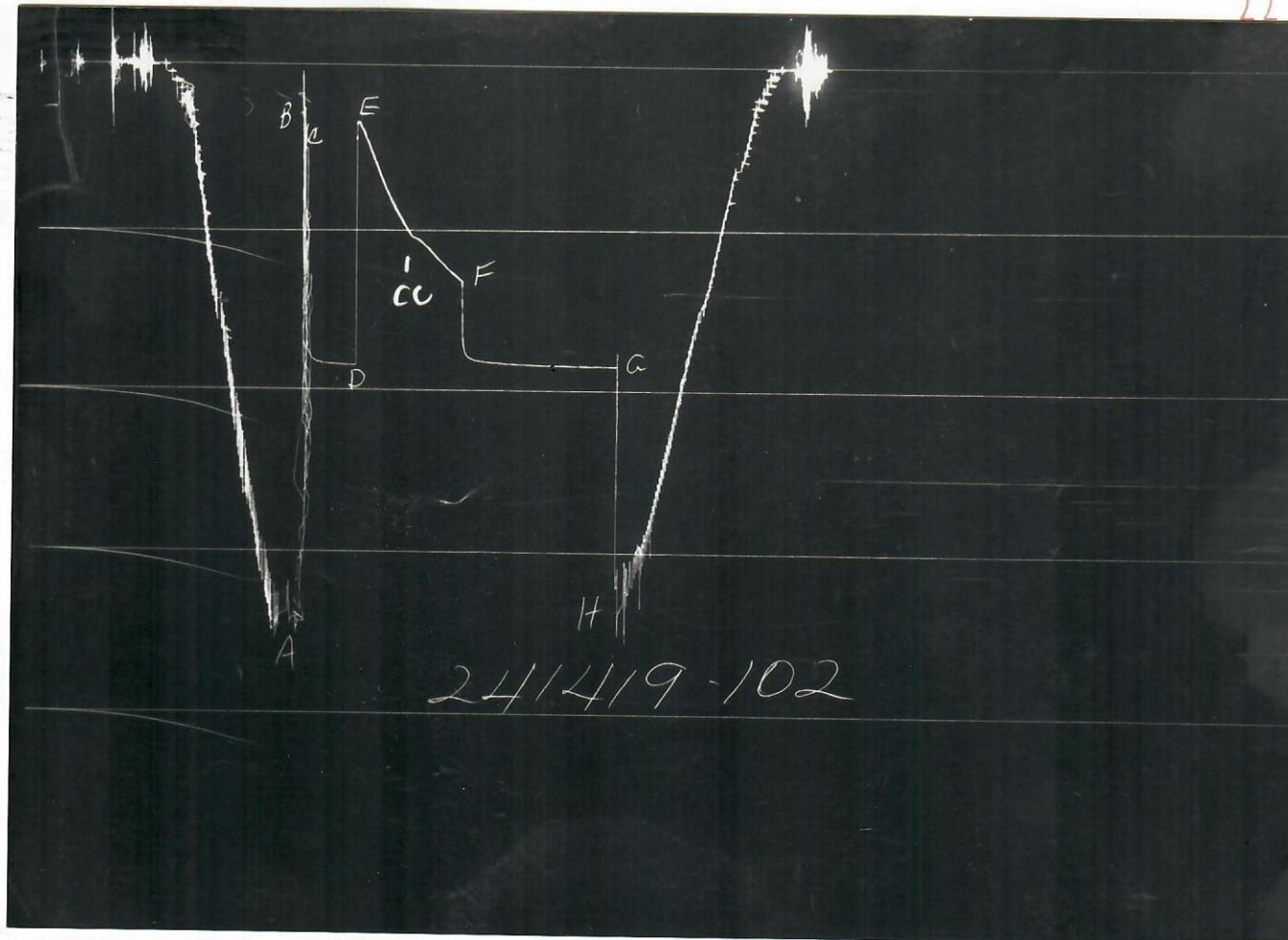
FORMATION TESTING SERVICE REPORT

LEASE NAME	COCO	1-24-3-61 K	1	6644.0 - 6735.0	COASTAL OIL AND GAS CORPORATION
LEGAL LOCATION	SEC. - TWP. - RNG.	24 35 61W	FIELD AREA	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
			SENORITA PROSPECT	COUNTY	ADAMS
				STATE	COLORADO
					SM



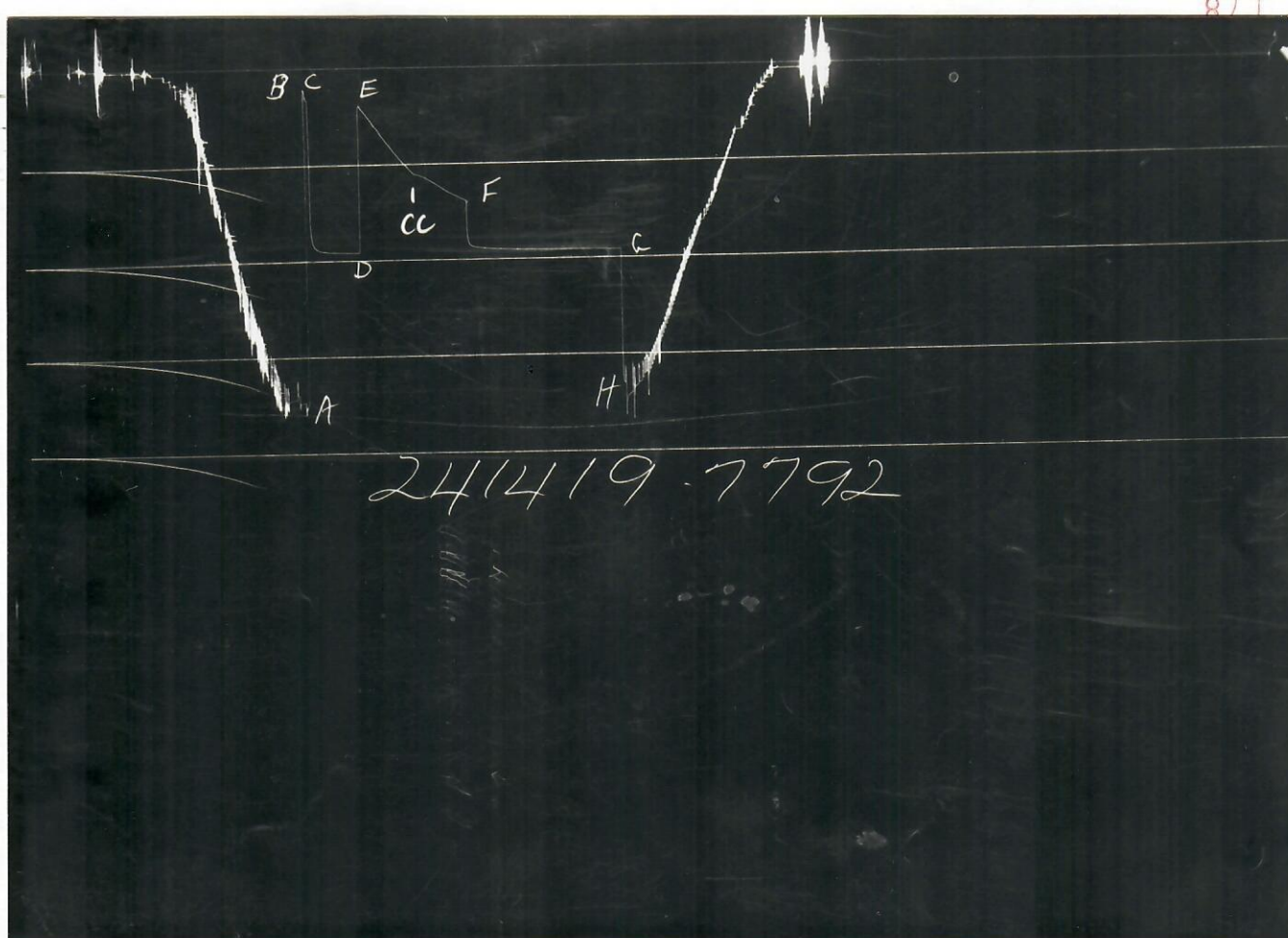
GAUGE NO: 103 DEPTH: 6619.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3434	3412.9			
B	INITIAL FIRST FLOW	161	164.1			
C	FINAL FIRST FLOW	258	284.0	5.0	4.6	F
C	INITIAL FIRST CLOSED-IN	258	284.0			
D	FINAL FIRST CLOSED-IN	1837	1858.2	60.0	59.7	C
E	INITIAL SECOND FLOW	307	352.4			
F	FINAL SECOND FLOW	1250	1338.6	125.0	126.0	F
F	INITIAL SECOND CLOSED-IN	1250	1338.6			
G	FINAL SECOND CLOSED-IN	1852	1862.2	182.0	181.6	C
H	FINAL HYDROSTATIC	3403	3328.9			



GAUGE NO: 102 DEPTH: 6623.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3405	3413.5			
B	INITIAL FIRST FLOW	160	168.2			
C	FINAL FIRST FLOW	256	278.7	5.0	4.6	F
C	INITIAL FIRST CLOSED-IN	256	278.7			
D	FINAL FIRST CLOSED-IN	1832	1852.6	60.0	59.7	C
E	INITIAL SECOND FLOW	336	363.0			
F	FINAL SECOND FLOW	1308	1328.6	125.0	126.0	F
F	INITIAL SECOND CLOSED-IN	1308	1328.6			
G	FINAL SECOND CLOSED-IN	1848	1853.7	182.0	181.6	C
H	FINAL HYDROSTATIC	3373	3332.1			



GAUGE NO: 7792 DEPTH: 6732.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3499	3479.8			
B	INITIAL FIRST FLOW	189	216.6			
C	FINAL FIRST FLOW	297	335.8	5.0	4.6	F
C	INITIAL FIRST CLOSED-IN	297	335.8			
D	FINAL FIRST CLOSED-IN	1912	1909.6	60.0	59.7	C
E	INITIAL SECOND FLOW	378	404.4			
F	FINAL SECOND FLOW	1375	1385.2	125.0	126.0	F
F	INITIAL SECOND CLOSED-IN	1375	1385.2			
G	FINAL SECOND CLOSED-IN	1885	1909.6	182.0	181.6	C
H	FINAL HYDROSTATIC	3445	3400.3			

EQUIPMENT & HOLE DATA

FORMATION TESTED: J-2 SAND
 NET PAY (ft): 12.0
 GROSS TESTED FOOTAGE: 91.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 5069.0 G.L. 5081' K.B.
 TOTAL DEPTH (ft): 6735.0
 PACKER DEPTH(S) (ft): 6637. 6644
 FINAL SURFACE CHOKE (in): 0.25000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.50
 MUD VISCOSITY (sec): 55
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP: (°F): 176 @ 6731.0 ft

TICKET NUMBER: 24141900

DATE: 8-26-85 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
GILLETTE

TESTER: BILL LEGER

WITNESS: CHUCK MOWERY

DRILLING CONTRACTOR:
EXETER DRILLING #69

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	<u>2.200 @ 88 °F</u>	<u>1800</u> ppm
WATER TANK	<u>7.000 @ 88 °F</u>	<u>575</u> ppm
TOP OF RECOVERY	<u>1.800 @ 92 °F</u>	<u>2500</u> ppm
MIDDLE	<u>0.360 @ 90 °F</u>	<u>13000</u> ppm
BOTTOM	<u>0.360 @ 90 °F</u>	<u>13000</u> ppm
SAMPLER	<u>0.360 @ 90 °F</u>	<u>13000</u> ppm

SAMPLER DATA

Pstg AT SURFACE: 1100.0
 cu.ft. OF GAS: 2.900
 cc OF OIL: _____
 cc OF WATER: 2150.0
 cc OF MUD: _____
 TOTAL LIQUID cc: 2150.0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

360 FEET OF GAS CUT MUD
 2784 FEET OF SLIGHT GAS CUT WATER

MEASURED FROM
TESTER VALVE

REMARKS:

TYPE & SIZE MEASURING DEVICE: MERLA ORIFICE WELL TESTER- 1/4" PLATE					TICKET NO: 24141900
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-26-85					
0150					PICKED UP TOOLS
0310					STARTED TOOLS IN HOLE
0558					SET PACKER
0600					TOOL OPENED WITH 3 1/2" BLOW
0601					5" BLOW
0602					8" BLOW
0603					11" BLOW
0605					BLOW TO BOTTOM OF BUCKET
					CLOSED TOOL
0705					OPENED TOOL
					1/2 PSI ON BUBBLE HOSE
0707					1 PSI ON BUBBLE HOSE
0711					2 PSI ON HOSE
0714					3 PSI ON HOSE
0718					4 PSI ON HOSE
0720					5 PSI ON HOSE
0721					6 PSI ON HOSE
0722					7 PSI ON HOSE
0724					8 PSI
0726					10 PSI
0727					11 PSI
0729					12 PSI
0731					14 PSI
0733					16 PSI
0735					17 PSI
0738					20 PSI
0740					22 PSI
0742					24 PSI
0743					26 PSI
0745					28 PSI
0746					30 PSI
0747					32 PSI
0749					34 PSI
0751					38 PSI
0755					43 PSI
0758					47 PSI

TICKET NO: 24141900

CLOCK NO: 3808 HOUR: 12



HALLIBURTON

 SERVICES

GAUGE NO: 103

DEPTH: 6619.0

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	164.1			
2	1.0	184.3	20.2		
3	2.0	229.5	45.2		
4	3.0	264.0	34.5		
5	4.0	276.4	12.4		
C 6	4.6	284.0	7.6		
FIRST CLOSED-IN					
C 1	0.0	284.0			
2	1.0	1465.5	1181.5	0.8	0.741
3	2.0	1647.0	1363.0	1.4	0.526
4	3.0	1723.3	1439.2	1.8	0.407
5	4.0	1763.9	1479.9	2.1	0.335
6	5.0	1785.8	1501.8	2.4	0.285
7	6.0	1799.5	1515.5	2.6	0.248
8	7.0	1810.4	1526.4	2.8	0.219
9	8.0	1816.8	1532.8	2.9	0.199
10	9.0	1822.4	1538.3	3.1	0.181
11	10.0	1827.3	1543.3	3.2	0.166
12	12.0	1834.4	1550.4	3.3	0.142
13	14.0	1840.0	1556.0	3.5	0.124
14	16.0	1842.4	1558.3	3.6	0.111
15	18.0	1844.9	1560.9	3.7	0.100
16	20.0	1847.9	1563.9	3.8	0.091
17	22.0	1848.7	1564.7	3.8	0.083
18	24.0	1850.1	1566.1	3.9	0.077
19	26.0	1851.7	1567.7	3.9	0.071
20	28.0	1851.7	1567.7	4.0	0.066
21	30.0	1852.2	1568.2	4.0	0.062
22	35.0	1854.1	1570.1	4.1	0.054
23	40.0	1856.3	1572.3	4.2	0.048
24	45.0	1856.8	1572.8	4.2	0.043
25	50.0	1857.4	1573.4	4.2	0.038
26	55.0	1857.4	1573.4	4.3	0.035
D 27	59.7	1858.2	1574.2	4.3	0.032
SECOND FLOW					
E 1	0.0	352.4			
2	5.0	382.4	30.0		
3	10.0	438.3	55.9		
4	15.0	505.5	67.3		
5	20.0	568.9	63.4		
6	25.0	638.7	69.8		
7	30.0	699.3	60.6		
8	35.0	756.5	57.3		
9	40.0	815.4	58.9		
10	45.0	869.3	53.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
11	50.0	919.7	50.4		
12	55.0	969.2	49.6		
13	60.0	1014.1	44.9		
14	65.0	1056.6	42.4		
<input checked="" type="checkbox"/> 15	65.4	1061.3	4.8		
16	70.0	1068.4	7.1		
17	75.0	1086.0	17.6		
18	80.0	1109.6	23.6		
19	85.0	1134.0	24.4		
20	90.0	1157.6	23.6		
21	95.0	1188.8	31.2		
22	100.0	1218.1	29.3		
23	105.0	1244.2	26.1		
24	110.0	1267.5	23.3		
25	120.0	1312.3	44.8		
F 26	126.0	1338.6	26.3		
SECOND CLOSED-IN					
F 1	0.0	1338.6			
2	1.0	1708.7	370.1	1.0	2.121
3	2.0	1755.5	416.8	2.0	1.814
4	3.0	1776.4	437.8	3.0	1.644
5	4.0	1790.6	452.0	3.9	1.526
6	5.0	1798.7	460.1	4.9	1.430
7	6.0	1802.0	463.4	5.8	1.355
8	7.0	1805.3	466.7	6.6	1.294
9	8.0	1810.4	471.8	7.6	1.237
10	9.0	1813.9	475.3	8.4	1.190
11	10.0	1816.5	477.9	9.3	1.146
12	12.0	1820.9	482.3	11.0	1.076
13	14.0	1824.1	485.5	12.7	1.013
14	16.0	1826.6	488.0	14.3	0.961
15	18.0	1828.9	490.2	15.8	0.917
16	20.0	1831.7	493.1	17.3	0.877
17	22.0	1833.3	494.7	18.8	0.841
18	24.0	1833.8	495.2	20.3	0.809
19	26.0	1837.0	498.3	21.7	0.781
20	28.0	1838.2	499.6	23.1	0.753
21	30.0	1838.4	499.8	24.4	0.728
22	35.0	1839.5	500.9	27.6	0.675
23	40.0	1842.5	503.9	30.6	0.630
24	45.0	1844.1	505.5	33.5	0.591
25	50.0	1845.5	506.9	36.2	0.558
26	55.0	1847.0	508.4	38.7	0.528
27	60.0	1848.7	510.1	41.1	0.502
28	70.0	1852.5	513.9	45.6	0.457
29	80.0	1853.6	515.0	49.6	0.420
30	90.0	1855.2	516.6	53.3	0.389
31	100.0	1857.3	518.7	56.6	0.363
32	110.0	1858.4	519.8	59.7	0.340
33	120.0	1858.4	519.8	62.5	0.320

LEGEND:

☒ CHOKE CHANGE

REMARKS:

CLOCK NO: 3808 HOUR: 12



DEPTH: 6619.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
34	135.0	1859.5	520.9	66.4	0.294
35	150.0	1859.8	521.2	69.8	0.272
36	165.0	1860.9	522.3	72.9	0.253
G 37	181.6	1862.2	523.6	76.0	0.235

[illegible]

☐ 1 CHOKE CHANGE

REMARKS:

TICKET NO: 24141900

CLOCK NO: 20138 HOUR: 24



HALLIBURTON

 SERVICES

GAUGE NO: 102

DEPTH: 6623.0

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	168.2			
C 2	4.6	278.7	110.6		
FIRST CLOSED-IN					
C 1	0.0	278.7			
2	1.0	1581.3	1302.5	0.8	0.747
3	2.0	1685.9	1407.2	1.4	0.517
4	3.0	1735.1	1456.4	1.8	0.405
5	4.0	1763.5	1484.7	2.1	0.335
6	5.0	1777.6	1498.8	2.4	0.284
7	6.0	1788.3	1509.6	2.6	0.248
8	7.0	1798.1	1519.4	2.8	0.220
9	8.0	1806.9	1528.1	2.9	0.198
10	9.0	1813.3	1534.6	3.1	0.180
11	10.0	1818.9	1540.1	3.2	0.165
12	12.0	1825.9	1547.1	3.3	0.141
13	14.0	1831.1	1552.3	3.5	0.124
14	16.0	1834.6	1555.8	3.6	0.110
15	18.0	1837.1	1558.3	3.7	0.100
16	20.0	1839.1	1560.4	3.8	0.091
17	22.0	1840.9	1562.1	3.8	0.083
18	24.0	1842.6	1563.9	3.9	0.077
19	26.0	1844.1	1565.3	3.9	0.071
20	28.0	1845.2	1566.4	4.0	0.067
21	30.0	1845.8	1567.0	4.0	0.062
22	35.0	1846.7	1568.0	4.1	0.054
23	40.0	1848.3	1569.6	4.2	0.048
24	45.0	1850.4	1571.6	4.2	0.043
25	50.0	1850.9	1572.1	4.2	0.038
26	55.0	1852.0	1573.2	4.3	0.035
D 27	59.7	1852.6	1573.9	4.3	0.032
SECOND FLOW					
E 1	0.0	363.0			
2	5.0	370.8	7.8		
3	10.0	425.2	54.4		
4	15.0	491.2	66.0		
5	20.0	559.9	68.7		
6	25.0	623.9	63.9		
7	30.0	688.7	64.9		
8	35.0	750.4	61.7		
9	40.0	804.9	54.5		
10	45.0	860.6	55.6		
11	50.0	910.0	49.4		
12	55.0	953.0	43.0		
13	60.0	995.4	42.4		
14	65.0	1040.2	44.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
15	65.4	1046.9	6.7		
16	70.0	1058.4	11.5		
17	75.0	1071.2	12.8		
18	80.0	1091.0	19.8		
19	85.0	1117.6	26.5		
20	90.0	1146.3	28.8		
21	95.0	1176.4	30.1		
22	100.0	1204.6	28.1		
23	105.0	1229.8	25.3		
24	110.0	1255.9	26.1		
25	120.0	1301.9	46.1		
F 26	126.0	1328.6	26.7		
SECOND CLOSED-IN					
F 1	0.0	1328.6			
2	1.0	1717.7	389.0	1.0	2.116
3	2.0	1741.7	413.1	2.0	1.818
4	3.0	1767.1	438.4	2.9	1.654
5	4.0	1778.8	450.2	3.9	1.530
6	5.0	1788.5	459.8	4.9	1.430
7	6.0	1794.3	465.7	5.8	1.356
8	7.0	1799.4	470.8	6.6	1.296
9	8.0	1801.4	472.8	7.6	1.237
10	9.0	1804.5	475.8	8.4	1.190
11	10.0	1807.8	479.1	9.3	1.147
12	12.0	1812.5	483.9	11.0	1.074
13	14.0	1817.9	489.3	12.7	1.013
14	16.0	1820.9	492.3	14.3	0.961
15	18.0	1822.7	494.0	15.8	0.916
16	20.0	1824.3	495.6	17.4	0.877
17	22.0	1825.5	496.9	18.8	0.841
18	24.0	1826.8	498.2	20.3	0.809
19	26.0	1827.7	499.1	21.7	0.780
20	28.0	1829.8	501.2	23.1	0.753
21	30.0	1830.7	502.1	24.4	0.728
22	35.0	1833.9	505.3	27.6	0.675
23	40.0	1834.9	506.2	30.6	0.630
24	45.0	1837.4	508.8	33.5	0.592
25	50.0	1840.9	512.2	36.2	0.558
26	55.0	1841.8	513.2	38.7	0.529
27	60.0	1842.6	514.0	41.1	0.502
28	70.0	1844.4	515.7	45.6	0.458
29	80.0	1846.3	517.6	49.6	0.420
30	90.0	1847.7	519.1	53.3	0.389
31	100.0	1849.0	520.3	56.6	0.363
32	110.0	1849.6	521.0	59.7	0.340
33	120.0	1849.8	521.1	62.6	0.320
34	135.0	1851.3	522.7	66.4	0.294
35	150.0	1852.9	524.3	69.8	0.272
36	165.0	1853.1	524.4	72.9	0.253
G 37	181.6	1853.7	525.1	76.0	0.235

LEGEND:

☐ CHOKER CHANGE

REMARKS:

UNABLE TO SEGMENT FIRST FLOW PERIOD

TICKET NO: 24141900

CLOCK NO: 12929 HOUR: 24



HALLIBURTON

 SERVICES

GAUGE NO: 7792

DEPTH: 6732.0

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	216.6			
2	1.0	236.3	19.7		
3	2.0	280.9	44.6		
4	3.0	323.3	42.4		
5	4.0	330.4	7.0		
C 6	4.6	335.8	5.4		
FIRST CLOSED-IN					
C 1	0.0	335.8			
2	1.0	1082.0	746.3	0.8	0.743
3	2.0	1647.0	1311.3	1.4	0.523
4	3.0	1759.4	1423.6	1.8	0.405
5	4.0	1806.6	1470.8	2.2	0.332
6	5.0	1830.2	1494.4	2.4	0.285
7	6.0	1846.3	1510.5	2.6	0.248
8	7.0	1856.7	1521.0	2.8	0.221
9	8.0	1865.6	1529.8	2.9	0.199
10	9.0	1873.4	1537.6	3.1	0.180
11	10.0	1877.9	1542.2	3.2	0.165
12	12.0	1885.7	1549.9	3.3	0.142
13	14.0	1890.8	1555.0	3.5	0.124
14	16.0	1893.7	1558.0	3.6	0.111
15	18.0	1897.2	1561.5	3.7	0.100
16	20.0	1898.0	1562.3	3.8	0.090
17	22.0	1900.4	1564.7	3.8	0.083
18	24.0	1902.6	1566.8	3.9	0.077
19	26.0	1903.9	1568.2	3.9	0.071
20	28.0	1904.2	1568.4	4.0	0.067
21	30.0	1904.2	1568.4	4.0	0.062
22	35.0	1906.6	1570.8	4.1	0.054
23	40.0	1908.0	1572.2	4.2	0.048
24	45.0	1909.0	1573.3	4.2	0.043
25	50.0	1909.0	1573.3	4.2	0.038
26	55.0	1909.0	1573.3	4.3	0.035
D 27	59.7	1909.6	1573.8	4.3	0.032
SECOND FLOW					
E 1	0.0	404.4			
2	5.0	440.1	35.7		
3	10.0	493.4	53.3		
4	15.0	556.1	62.7		
5	20.0	618.5	62.5		
6	25.0	682.4	63.8		
7	30.0	742.1	59.8		
8	35.0	800.5	58.4		
9	40.0	857.0	56.5		
10	45.0	913.8	56.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
11	50.0	967.6	53.8		
12	55.0	1015.3	47.7		
13	60.0	1060.9	45.6		
14	65.0	1104.9	44.0		
<input checked="" type="checkbox"/> 15	65.4	1106.5	1.6		
16	70.0	1115.4	8.9		
17	75.0	1134.4	19.0		
18	80.0	1157.0	22.5		
19	85.0	1182.4	25.5		
20	90.0	1209.5	27.1		
21	95.0	1240.9	31.4		
22	100.0	1267.2	26.3		
23	105.0	1293.5	26.3		
24	110.0	1316.5	23.1		
25	120.0	1360.8	44.3		
F 26	126.0	1385.2	24.4		
SECOND CLOSED-IN					
F 1	0.0	1385.2			
2	1.0	1756.9	371.7	1.0	2.123
3	2.0	1807.6	422.4	2.0	1.812
4	3.0	1830.2	445.0	3.0	1.644
5	4.0	1840.9	455.7	3.9	1.530
6	5.0	1847.6	462.4	4.8	1.434
7	6.0	1854.6	469.4	5.7	1.356
8	7.0	1857.5	472.3	6.6	1.295
9	8.0	1861.3	476.1	7.5	1.240
10	9.0	1864.0	478.8	8.4	1.192
11	10.0	1866.4	481.2	9.2	1.150
12	12.0	1870.4	485.2	11.0	1.075
13	14.0	1874.4	489.2	12.6	1.015
14	16.0	1876.6	491.4	14.2	0.963
15	18.0	1878.4	493.2	15.8	0.917
16	20.0	1879.8	494.6	17.4	0.876
17	22.0	1881.4	496.2	18.8	0.842
18	24.0	1883.8	498.6	20.3	0.809
19	26.0	1884.1	498.9	21.7	0.779
20	28.0	1885.4	500.2	23.0	0.754
21	30.0	1887.3	502.1	24.4	0.729
22	35.0	1889.4	504.2	27.6	0.675
23	40.0	1890.8	505.6	30.6	0.630
24	45.0	1894.3	509.1	33.4	0.592
25	50.0	1896.2	510.9	36.2	0.558
26	55.0	1897.5	512.3	38.7	0.528
27	60.0	1899.1	513.9	41.1	0.502
28	70.0	1900.2	515.0	45.6	0.457
29	80.0	1901.5	516.3	49.6	0.420
30	90.0	1904.2	519.0	53.3	0.389
31	100.0	1906.3	521.1	56.6	0.363
32	110.0	1906.3	521.1	59.7	0.340
33	120.0	1906.6	521.4	62.6	0.320

LEGEND:

☒ CHOKE CHANGE

REMARKS:

TICKET NO: 24141900

CLOCK NO: 12929 HOUR: 24



GAUGE NO: 7792

DEPTH: 6732.0



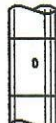




















REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
34	135.0	1907.4	522.2	66.4	0.294
35	150.0	1908.2	523.0	69.8	0.272
36	165.0	1909.0	523.8	72.9	0.253
G 37	181.6	1909.6	524.4	76.0	0.235

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

LEGEND:

☐ CHOKE CHANGE

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	6042.0	
3		DRILL COLLARS.....	6.250	2.250	377.0	
51		PUMP OUT REVERSING SUB.....	6.000	3.188	1.0	6419.0
3		DRILL COLLARS.....	6.250	2.250	90.0	
50		IMPACT REVERSING SUB.....	6.250	2.813	1.0	6510.0
3		DRILL COLLARS.....	6.250	2.250	90.0	
5		CROSSOVER.....	5.750	2.375	1.0	
12		DUAL CIP VALVE.....	5.000	0.750	5.0	
97		LARGE VOLUME SAMPLER.....	5.000	2.370	5.0	6610.0
60		HYDROSPRING TESTER.....	4.938	0.750	4.0	6616.0
80		AP RUNNING CASE.....	4.938	2.250	4.0	6619.0
80		AP RUNNING CASE.....	5.000	2.250	5.0	6623.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	5.000	1.530	6.0	6637.0
70		OPEN HOLE PACKER.....	5.000	1.530	6.0	6644.0
19		ANCHOR PIPE SAFETY JOINT.....	5.000	1.500	4.0	
20		FLUSH JOINT ANCHOR.....	4.938	2.370	30.0	
5		CROSSOVER.....	6.250	2.375	1.0	
3		DRILL COLLARS.....	6.250	2.250	29.1	
5		CROSSOVER.....	5.875	2.375	0.9	
20		FLUSH JOINT ANCHOR.....	4.938	2.370	20.5	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.0	6732.0
TOTAL DEPTH					6735.0	

EQUIPMENT DATA