

Senorita East



02357528

RECEIVED

SEP 2 6 1981

COLO. OIL & GAS CONS.

LEASE NAME
COCO

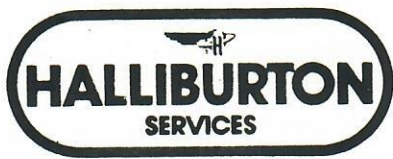
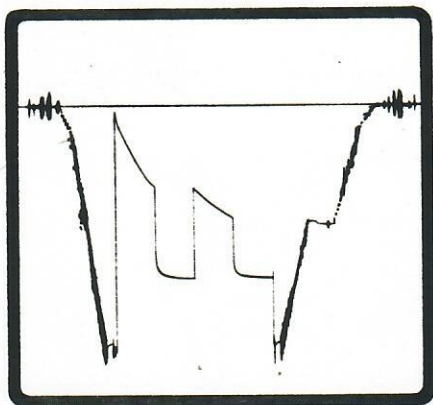
WELL NO.
1-24-3-61 K

TEST NO.
1

TESTED INTERVAL
6644.0 - 6735.0

LEASE OWNER/COMPANY NAME
CORSTAL OIL AND GAS CORPORATION

FORMATION TESTING SERVICE REPORT



Duncan, Oklahoma 73536



A Halliburton Company

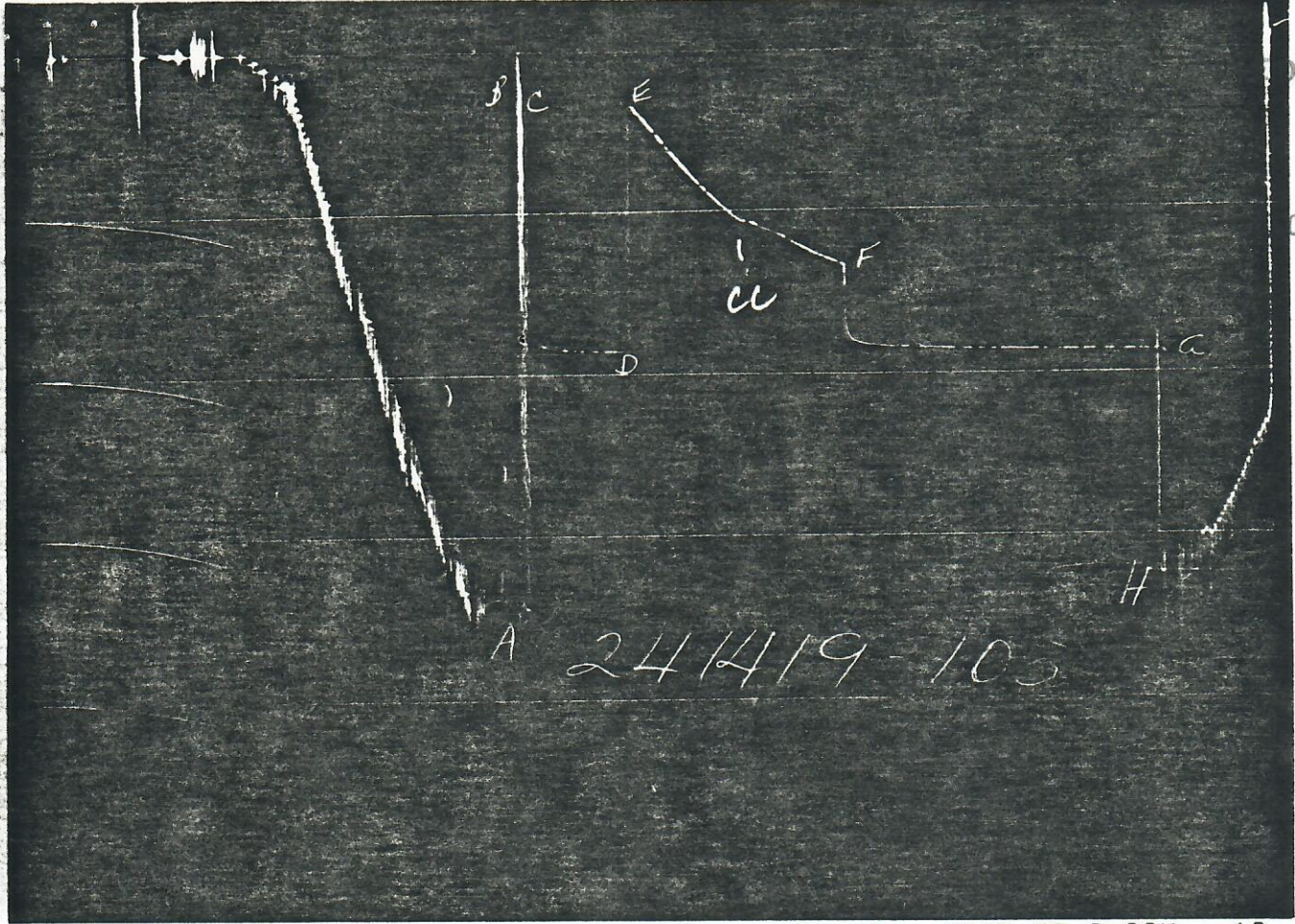


TICKET NO. 24141900
06-SEP-85
GILLETTE

FORMATION TESTING SERVICE REPORT

RECEIVED		COLO. OIL & GAS CORP.	
SEP 26 1985			
LEGAL LOCATION	LEASE NAME	1-24-3-61 K	COASTAL OIL AND GAS CORPORATION
SECTION - TWP. - RANG.	VEIL NO.	1	LEASE OWNER/COMPANY NAME
24 35 61W	TEST NO.		
FIELD AREA	TESTED INTERVAL	6644.0 - 6735.0	
SENORITA PROSPECT	COUNTY	ADAMS	
	STATE	COLORADO	
		SM	

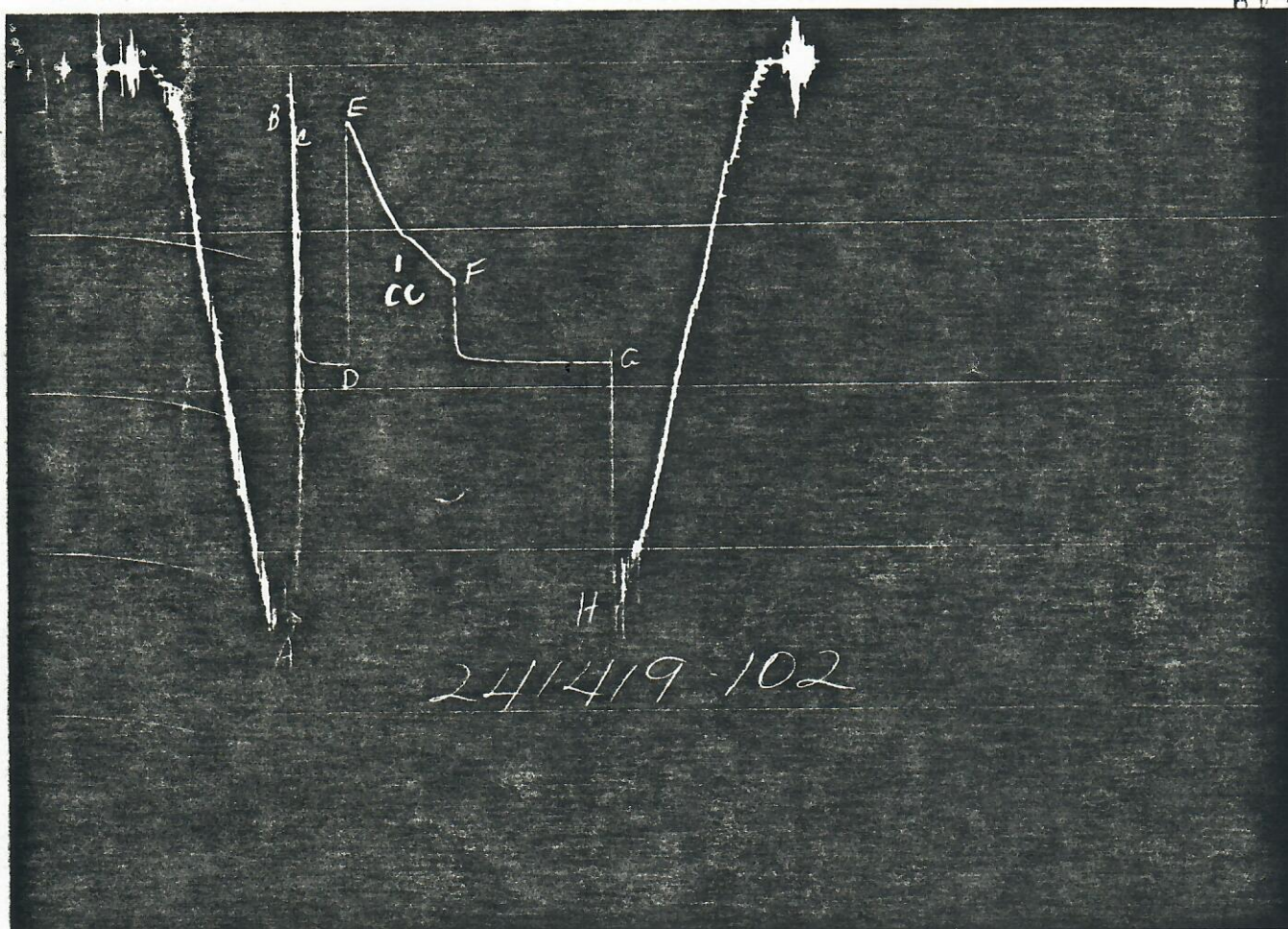
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GAUGE NO: 103 DEPTH: 6619.0 BLANKED OFF: NO HOUR OF CLOCK: 12

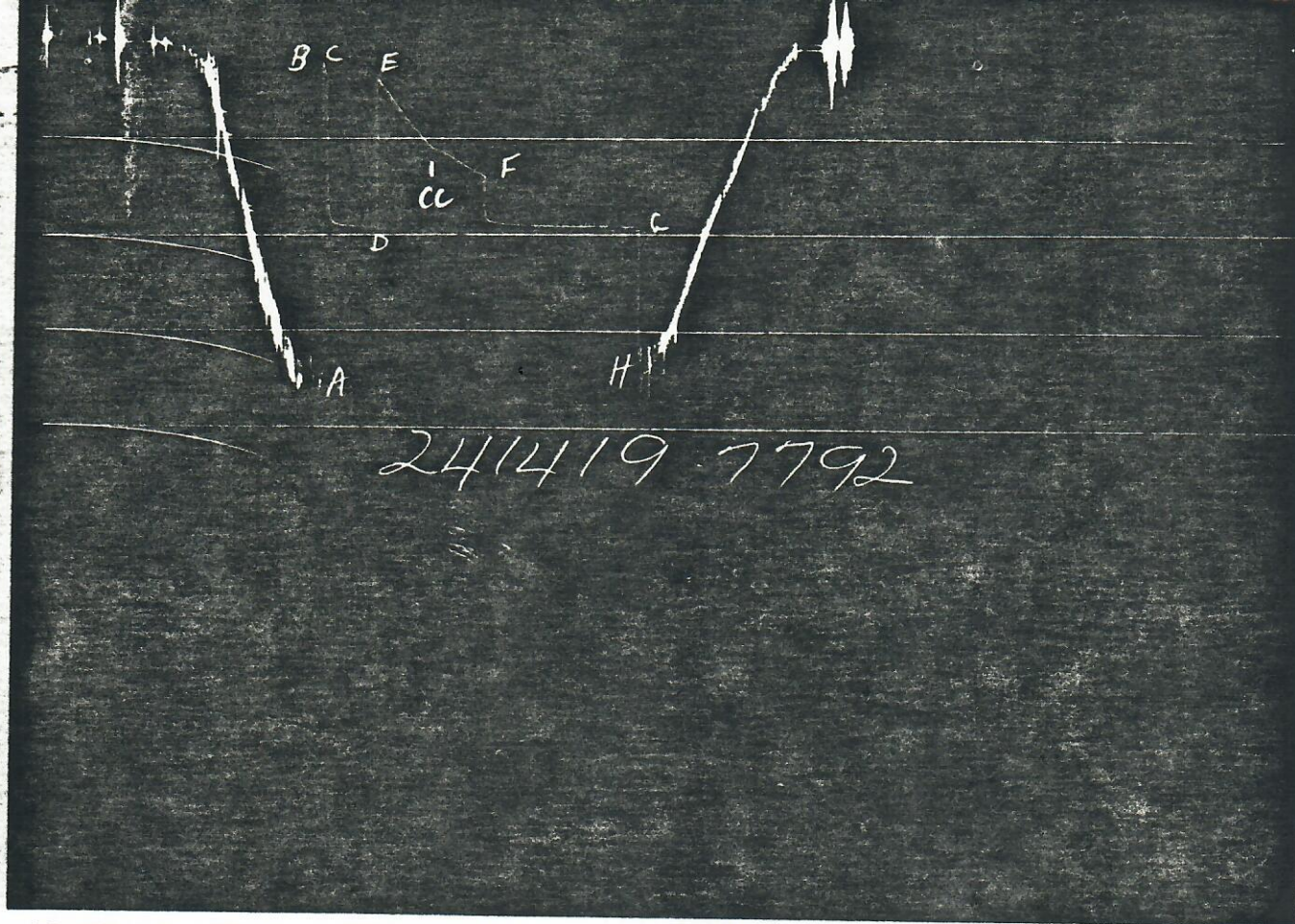
ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3434	3412.9			
B	INITIAL FIRST FLOW	161	164.1	5.0	4.6	F
C	FINAL FIRST FLOW	258	284.0			
C	INITIAL FIRST CLOSED-IN	258	284.0	60.0	59.7	C
D	FINAL FIRST CLOSED-IN	1837	1858.2			
E	INITIAL SECOND FLOW	307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

RECEIVED
P 2 6 1985
GAS CONS. COM



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	5.0	4.6	F
C	FINAL FIRST FLOW	256	278.7			
C	INITIAL FIRST CLOSED-IN	256	278.7	60.0	59.7	C
D	FINAL FIRST CLOSED-IN	1832	1852.6			
E	INITIAL SECOND FLOW	336	363.0	125.0	126.0	F
F	FINAL SECOND FLOW	1308	1328.6			
F	INITIAL SECOND CLOSED-IN	1308	1328.6	182.0	181.6	C
G	FINAL SECOND CLOSED-IN	1848	1853.7			
H	FINAL HYDROSTATIC	3373	3332.1			



RECEIVED
81985
CONS. COM.

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: 001

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	2.200 @ 88 °F	1800 ppm
WATER TANK	7.000 @ 88 °F	575 ppm
TOP OF RECOVERY	1.800 @ 92 °F	2500 ppm
MIDDLE	0.360 @ 90 °F	13000 ppm
BOTTOM	0.360 @ 90 °F	13000 ppm
SAMPLER	0.360 @ 90 °F	13000 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:

PE & 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
26-85					PICKED UP TOOLS
150					STARTED TOOLS IN HOLE
310					SET PACKER
558					TOOL OPENED WITH 3 1/2" BLOW
600					5" BLOW
0601					8" BLOW
0602					11" BLOW
0603					BLOW TO BOTTOM OF BUCKET
0605					CLOSED TOOL
					OPENED TOOL
0705					1/2 PSI ON BUBBLE HOSE
					1 PSI ON BUBBLE HOSE
0707					2 PSI ON HOSE
0711					3 PSI ON HOSE
0714					4 PSI ON HOSE
0718					5 PSI ON HOSE
0720					6 PSI ON HOSE
0721					7 PSI ON HOSE
0722					8 PSI
0724					10 PSI
0726					11 PSI
0727					12 PSI
0729					14 PSI
0731					16 PSI
0733					17 PSI
0735					20 PSI
0738					22 PSI
0740					24 PSI
0742					26 PSI
0743					28 PSI
0745					30 PSI
0746					32 PSI
0747					34 PSI
0749					38 PSI
0751					43 PSI
0755					47 PSI
0758					

TYPE	TIME
	0801
	0805
	0809
	0811
	0815
	082
	083
	08
	08
	08
	0
	0

RECEIVED
SEP 26 1985
GOLD. OIL & GAS CONS. COMM.

TICKET NO: 24141900

LIVED

[illegible]

TICKET NO: 24141900

CLOCK NO: 3808 HOUR: 12

HALLIBURTON

SERVICES

GAUGE NO: 103

DEPTH: 6619.0

RECEIVED

SEP 27 1985

CONS. COMM

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
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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	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
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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	
1	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	
F	25	120.0	1312.3	44.8	
	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:

1 CHOKE CHANGE

REMARKS:

RECEIVED

SEP 26 1985

COLO. OIL & GAS CONS. COM.

TICKET NO: 24141900
CLOCK NO: 3808 HOUR: 12



GAUGE NO: 103
DEPTH: 6619.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
34	135.0	1859.5	520.9	66.4	0.294
95	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

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$

LEGEND:
☐ CHOKE CHANGE
REMARKS:

TICKET NO: 24141900

CLOCK NO: 20138 HOUR: 24


HALLIBURTON
SERVICES

GAUGE NO: 102

DEPTH: 6623.0

RECEIVED

SEP 28 1955

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
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	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
I 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	517.8	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:

[] CHOKE CHANGE

REMARKS:

UNABLE TO SEGMENT FIRST FLOW PERIOD

TICKET NO: 24141900

CLOCK NO: 12929 HOUR: 24


HALLIBURTON
SERVICES

GAUGE NO: 7792

DEPTH: 6732.0

RECEIVED

SEP 26 1985

OIL & GAS CONS. COMM.

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
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		

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		
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:

851
RECEIVED
SEP 27 1985
COLO. OIL & GAS CONS. COM.

TICKET NO: 24141900
CLOCK NO: 12929 HOUR: 24



GAUGE NO: 7792
DEPTH: 6732.0
























REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
34	135.0	1907.4	522.2	66.4	0.294
35	150.0	1908.2	523.0	69.6	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	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$

LEGEND:
☐ CHOKE CHANGE
REMARKS:

SEP 26 1985

COLO. OIL & GAS CONS. COMM

		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

EQUATIONS FOR DST LIQUID WELL ANALYSIS

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GOLD. OIL & GAS CONS. COMM.

Transmissibility	$\frac{kh}{\mu} = \frac{162.6 QB}{m}$	$\frac{md-ft}{cp}$
Indicated Flow Capacity	$kh = \frac{kh}{\mu} \mu$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151 \left[\frac{P^* - P_f}{m} - \text{LOG} \left(\frac{k(t/60)}{\phi \mu c_f r_w^2} \right) + 3.23 \right] -$	
Damage Ratio	$DR = \frac{P^* - P_f}{P^* - P_f - 0.87 mS}$	—
Theoretical Potential w/ Damage Removed	$Q_1 = Q DR$	BPD
Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{k(t/60)}{\phi \mu c_i}}$	ft

EQUATIONS FOR DST GAS WELL ANALYSIS

Indicated Flow Capacity	$kh = \frac{1637 Q_g T}{m}$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151 \left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG} \left(\frac{k(t/60)}{\phi \mu c_f r_w^2} \right) + 3.23 \right] -$	—
Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87 mS}$	—
Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g m(P^*)}{m(P^*) - m(P_f)}$	MCFD
Indicated Flow Rate (Minimum)	$AOF_2 = Q_g \sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{k(t/60)}{\phi \mu c_i}}$	ft