

7
2
2

PHILLIPS 26 STATE		1	1	8630.0 - 8696.0	JOHN L. COX
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	26 - 12 S - 33 E			FIELD AREA	STATE
				N.M. LOVINGTON	NEW MEXICO
				COUNTY	LEA

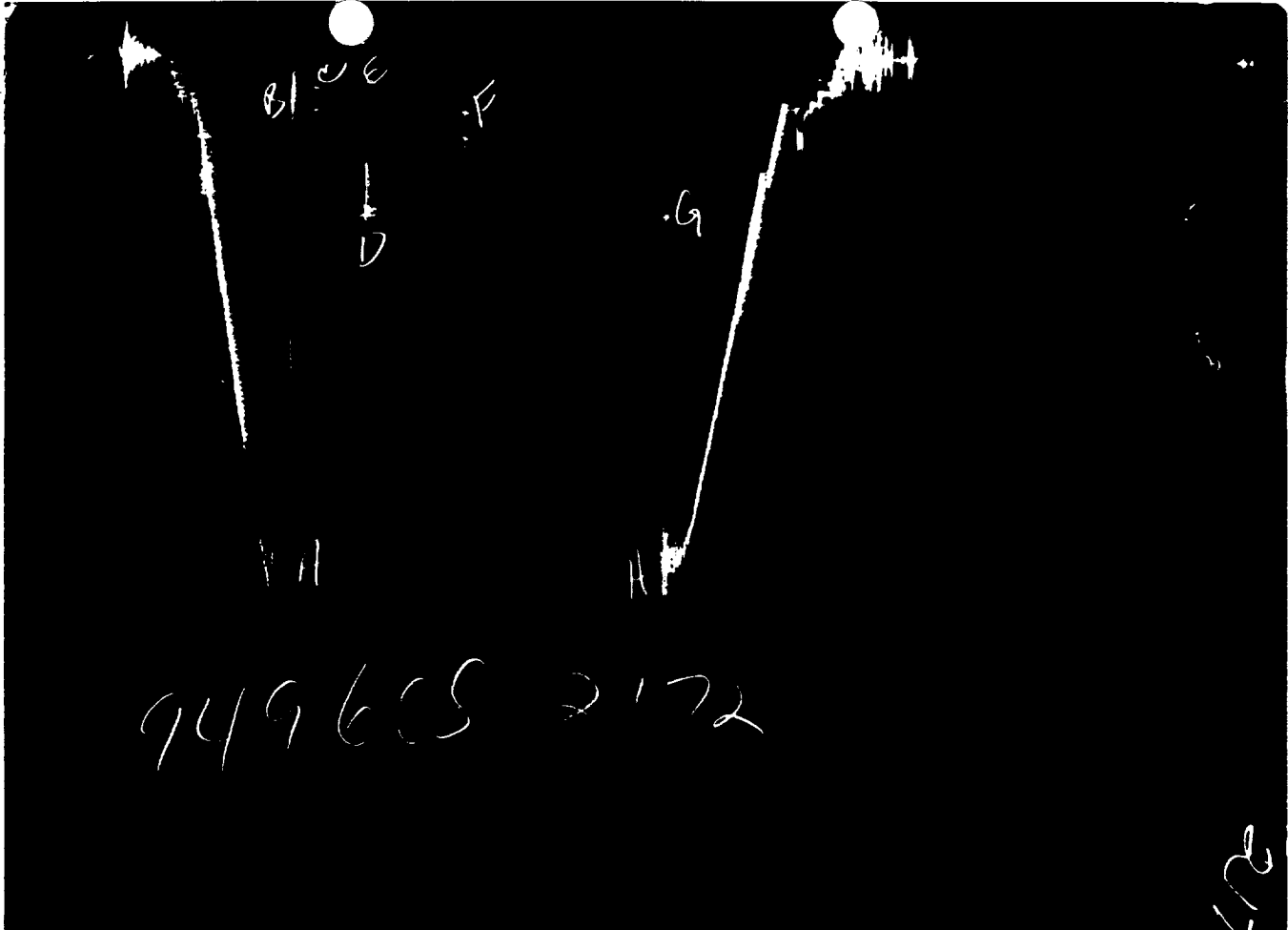
JOHN L. COX

LEASE : PHILLIPS 26 STATE

WELL NO. : 1

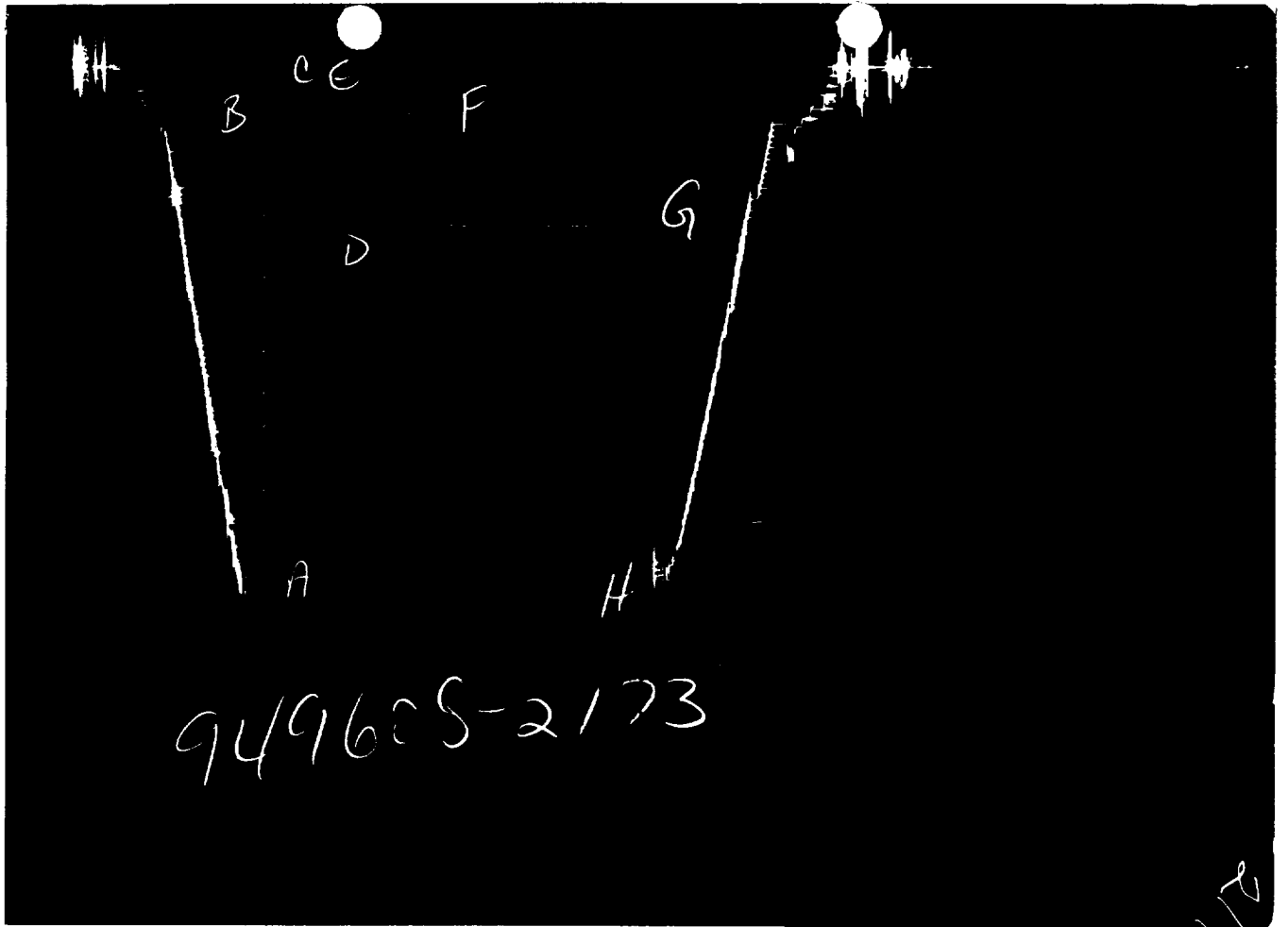
TEST NO. : 1

TICKET NO. 94960800
01-APR-96
HOBBS



GAUGE NO: 2172 DEPTH: 8606.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		4317.8			
B	INITIAL FIRST FLOW		236.1			
C	FINAL FIRST FLOW		259.1	30.0	29.3	F
C	INITIAL FIRST CLOSED-IN		259.1			
D	FINAL FIRST CLOSED-IN		1341.0	62.0	62.4	C
E	INITIAL SECOND FLOW		212.3			
F	FINAL SECOND FLOW		459.5	120.0	120.2	F
F	INITIAL SECOND CLOSED-IN		459.5			
G	FINAL SECOND CLOSED-IN		1344.2	248.0	248.1	C
H	FINAL HYDROSTATIC		4306.0			



GAUGE NO: 2173 DEPTH: 8693.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		4374.1			
B	INITIAL FIRST FLOW		278.4			
C	FINAL FIRST FLOW		270.8	30.0	29.3	F
C	INITIAL FIRST CLOSED-IN		270.8			
D	FINAL FIRST CLOSED-IN		1352.8	62.0	62.4	C
E	INITIAL SECOND FLOW		251.3			
F	FINAL SECOND FLOW		468.0	120.0	120.2	F
F	INITIAL SECOND CLOSED-IN		468.0			
G	FINAL SECOND CLOSED-IN		1348.5	248.0	248.1	C
H	FINAL HYDROSTATIC		4348.4			

EQUIPMENT & HOLE DATA		TICKET NUMBER: 94960800	
FORMATION TESTED: _____		DATE: 03-23-96 TEST NO: 1	
NET PAY (ft): 15.0		TYPE DST: OPEN HOLE	
GROSS TESTED FOOTAGE: 66.0 PACKER TO T.D.		FIELD CAMP: HOBBS	
ALL DEPTHS MEASURED FROM: K.B.		TESTER: HERB SMITH	
CASING PERFS. (ft): _____		WITNESS: BILL SMITH	
HOLE OR CASING SIZE (in): 7.875		DRILLING CONTRACTOR: ZIADRIL #7	
ELEVATION (ft): 4243.0 AT GROUND LEVEL			
TOTAL DEPTH (ft): 8696.0			
PACKER DEPTH(S) (ft): 8625, 8630			
FINAL SURFACE CHOKE (in): 0.37500			
BOTTOM HOLE CHOKE (in): 0.750			
MUD WEIGHT (lb/gal): 9.50			
MUD VISCOSITY (sec): 39			
ESTIMATED HOLE TEMP. (°F): _____			
ACTUAL HOLE TEMP. (°F): 136 @ 8612.0 ft			
FLUID PROPERTIES FOR RECOVERED MUD & WATER		SAMPLER DATA	
SOURCE	RESISTIVITY	CHLORIDES	Psig AT SURFACE: 250.0
_____	_____ @ _____ °F	_____ ppm	cu.ft. OF GAS: 1.270
_____	_____ @ _____ °F	_____ ppm	cc OF OIL: 200.0
_____	_____ @ _____ °F	_____ ppm	cc OF WATER: _____
_____	_____ @ _____ °F	_____ ppm	cc OF MUD: 400.0
_____	_____ @ _____ °F	_____ ppm	TOTAL LIQUID cc: 600.0
HYDROCARBON PROPERTIES		CUSHION DATA	
OIL GRAVITY (°API): _____ @ _____ °F		TYPE AMOUNT WEIGHT	
GAS/OIL RATIO (cu.ft. per bbl): _____		FRESHWATER (FT) 292.0 8.33	
GAS GRAVITY: _____			
RECOVERED: 940 FT OF MUD AND WATER			MEASURED FROM TESTER VALVE
REMARKS:			

TICKET NO: 94960800

CLOCK NO: 26552 HOUR: 24

GAUGE NO: 2172

DEPTH: 8606.0

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	236.1		
	2	3.0	241.0	4.9	
	3	6.0	217.7	-23.3	
	4	9.0	208.9	-8.9	
	5	12.0	208.9	0.0	
	6	15.0	211.2	2.3	
	7	18.0	218.0	6.8	
	8	21.0	228.4	10.4	
	9	24.0	237.0	8.5	
	10	27.0	247.6	10.6	
C	11	29.3	259.1	11.5	
FIRST CLOSED-IN					
C	1	0.0	259.1		
	2	0.5	754.9	495.8	0.5 1.769
	3	1.0	979.4	720.3	0.9 1.500
	4	1.5	1147.9	888.8	1.4 1.323
	5	2.0	1213.2	954.1	1.9 1.194
	6	2.5	1260.1	1001.0	2.3 1.098
	7	3.0	1281.9	1022.8	2.7 1.030
	8	3.5	1298.3	1039.2	3.1 0.972
	9	4.0	1309.0	1049.9	3.5 0.923
	10	4.5	1315.4	1056.3	3.9 0.880
	11	5.0	1320.9	1061.8	4.3 0.837
	12	5.5	1324.8	1065.7	4.6 0.801
	13	6.0	1327.1	1068.0	5.0 0.771
	14	6.5	1328.4	1069.3	5.3 0.742
	15	7.0	1330.3	1071.2	5.6 0.717
	16	7.5	1332.2	1073.1	6.0 0.691
	17	8.0	1333.3	1074.2	6.3 0.668
	18	8.5	1333.7	1074.6	6.6 0.650
	19	9.0	1334.6	1075.5	6.9 0.628
	20	9.5	1334.6	1075.5	7.2 0.612
	21	10.0	1334.8	1075.7	7.5 0.593
	22	11.0	1336.5	1077.4	8.0 0.563
	23	12.0	1336.7	1077.6	8.5 0.538
	24	13.0	1336.7	1077.6	9.0 0.513
	25	14.0	1337.4	1078.3	9.5 0.491
	26	15.0	1337.6	1078.5	9.9 0.470
	27	20.0	1338.6	1079.5	11.9 0.392
	28	25.0	1338.9	1079.8	13.5 0.337
	29	30.0	1338.9	1079.8	14.8 0.296
	30	40.0	1339.7	1080.6	16.9 0.239
	31	50.0	1340.1	1081.0	18.5 0.200
D	32	62.4	1341.0	1081.9	19.9 0.167
SECOND FLOW					
E	1	0.0	212.3		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
	2	5.0	204.2	-8.0	
	3	10.0	228.5	24.3	
	4	20.0	259.3	30.9	
	5	30.0	286.0	26.6	
	6	40.0	310.4	24.5	
	7	50.0	330.4	20.0	
	8	60.0	347.3	16.8	
	9	70.0	365.6	18.3	
	10	80.0	384.7	19.2	
	11	90.0	402.2	17.5	
	12	100.0	418.8	16.6	
	13	110.0	437.3	18.5	
F	14	120.2	459.5	22.1	
SECOND CLOSED-IN					
F	1	0.0	459.5		
	2	0.5	1090.1	630.6	0.5 2.460
	3	1.0	1217.2	757.8	1.0 2.174
	4	1.5	1269.5	810.1	1.5 1.995
	5	2.0	1294.3	834.8	2.0 1.875
	6	2.5	1307.9	848.5	2.4 1.788
	7	3.0	1316.5	857.0	2.9 1.707
	8	3.5	1322.0	862.6	3.4 1.639
	9	4.0	1325.4	866.0	3.9 1.583
	10	4.5	1328.2	868.8	4.4 1.535
	11	5.0	1330.6	871.1	4.8 1.491
	12	5.5	1331.6	872.2	5.3 1.452
	13	6.0	1333.5	874.1	5.7 1.416
	14	6.5	1334.6	875.2	6.2 1.381
	15	7.0	1335.5	876.0	6.7 1.351
	16	7.5	1336.5	877.1	7.1 1.323
	17	8.0	1336.7	877.3	7.6 1.295
	18	8.5	1337.6	878.1	8.0 1.269
	19	9.0	1337.8	878.4	8.5 1.245
	20	9.5	1338.0	878.6	8.9 1.223
	21	10.0	1338.5	879.0	9.4 1.201
	22	11.0	1339.1	879.6	10.2 1.165
	23	12.0	1339.7	880.3	11.1 1.130
	24	13.0	1339.9	880.5	12.0 1.096
	25	14.0	1340.2	880.7	12.8 1.068
	26	15.0	1340.8	881.3	13.6 1.040
	27	20.0	1341.0	881.6	17.7 0.928
	28	25.0	1341.2	881.8	21.4 0.844
	29	30.0	1341.9	882.4	25.0 0.777
	30	60.0	1342.3	882.8	42.8 0.543
	31	120.0	1343.2	883.7	66.6 0.352
	32	180.0	1343.6	884.1	81.7 0.263
G	33	248.1	1344.2	884.8	93.3 0.205

REMARKS:

TICKET NO: 94960800

CLOCK NO: 16511 HOUR: 24

GAUGE NO: 2173

DEPTH: 8693.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta p}{t + \Delta p}$	$\log \frac{t + \Delta p}{\Delta p}$
FIRST FLOW					
B	1	0.0	278.4		
	2	3.0	278.2	-0.2	
	3	6.0	250.6	-27.6	
	4	9.0	241.6	-9.0	
	5	12.0	239.5	-2.1	
	6	15.0	236.6	-2.9	
	7	18.0	238.5	1.9	
	8	21.0	246.7	8.2	
	9	24.0	253.5	6.8	
	10	27.0	261.9	8.4	
C	11	29.3	270.8	8.9	
FIRST CLOSED-IN					
C	1	0.0	270.8		
	2	0.5	594.7	323.9	0.5 1.737
	3	1.0	758.4	487.7	1.0 1.478
	4	1.5	904.7	633.9	1.5 1.305
	5	2.0	1026.6	755.9	1.9 1.197
	6	2.5	1118.4	847.6	2.3 1.099
	7	3.0	1193.0	922.2	2.7 1.033
	8	3.5	1234.1	963.3	3.1 0.977
	9	4.0	1265.7	994.9	3.5 0.920
	10	4.5	1286.5	1015.7	3.9 0.874
	11	5.0	1301.7	1030.9	4.3 0.835
	12	5.5	1315.3	1044.5	4.6 0.801
	13	6.0	1322.3	1051.5	5.0 0.768
	14	6.5	1328.2	1057.4	5.3 0.740
	15	7.0	1332.5	1061.7	5.7 0.713
	16	7.5	1335.4	1064.7	6.0 0.691
	17	8.0	1338.6	1067.8	6.3 0.667
	18	8.5	1340.3	1069.5	6.6 0.649
	19	9.0	1342.9	1072.1	6.9 0.629
	20	9.5	1344.1	1073.4	7.2 0.612
	21	10.0	1345.2	1074.4	7.5 0.594
	22	11.0	1346.2	1075.5	8.0 0.563
	23	12.0	1347.3	1076.5	8.5 0.538
	24	13.0	1348.4	1077.6	9.0 0.512
	25	14.0	1349.4	1078.7	9.5 0.491
	26	15.0	1349.6	1078.9	9.9 0.471
	27	20.0	1350.5	1079.7	11.9 0.392
	28	25.0	1351.1	1080.4	13.5 0.337
	29	30.0	1351.1	1080.4	14.8 0.296
	30	40.0	1351.5	1080.8	16.9 0.239
	31	50.0	1352.0	1081.2	18.5 0.200
D	32	62.4	1352.8	1082.0	19.9 0.167
SECOND FLOW					
E	1	0.0	251.3		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta p}{t + \Delta p}$	$\log \frac{t + \Delta p}{\Delta p}$
SECOND FLOW - CONTINUED					
2	5.0	225.5	-25.8		
3	10.0	245.1	19.6		
4	20.0	273.2	28.1		
5	30.0	298.8	25.6		
6	40.0	322.2	23.4		
7	50.0	341.8	19.6		
8	60.0	359.8	18.0		
9	70.0	375.9	16.1		
10	80.0	395.9	20.1		
11	90.0	413.7	17.7		
12	100.0	431.0	17.3		
13	110.0	448.8	17.8		
F	14	120.2	468.0	19.2	
SECOND CLOSED-IN					
F	1	0.0	468.0		
	2	0.5	721.5	253.5	0.5 2.461
	3	1.0	929.8	461.8	1.0 2.174
	4	1.5	1070.4	602.4	1.5 1.995
	5	2.0	1174.8	706.9	2.0 1.876
	6	2.5	1241.6	773.6	2.5 1.778
	7	3.0	1271.3	803.3	2.9 1.711
	8	3.5	1295.7	827.7	3.4 1.642
	9	4.0	1310.1	842.1	3.9 1.587
	10	4.5	1318.3	850.4	4.3 1.538
	11	5.0	1325.1	857.1	4.9 1.489
	12	5.5	1329.4	861.4	5.3 1.450
	13	6.0	1332.8	864.8	5.8 1.414
	14	6.5	1335.7	867.7	6.2 1.383
	15	7.0	1337.4	869.4	6.7 1.349
	16	7.5	1338.9	870.9	7.2 1.320
	17	8.0	1340.2	872.2	7.6 1.295
	18	8.5	1341.2	873.3	8.0 1.271
	19	9.0	1343.2	875.2	8.5 1.245
	20	9.5	1344.2	876.2	9.0 1.222
	21	10.0	1345.1	877.1	9.4 1.202
	22	11.0	1345.5	877.5	10.3 1.164
	23	12.0	1346.3	878.4	11.1 1.130
	24	13.0	1346.3	878.4	12.0 1.096
	25	14.0	1346.5	878.6	12.8 1.067
	26	15.0	1347.4	879.4	13.6 1.041
	27	20.0	1348.0	880.0	17.6 0.928
	28	25.0	1348.5	880.5	21.4 0.845
	29	30.0	1348.5	880.5	25.0 0.777
	30	60.0	1348.5	880.5	42.8 0.543
	31	120.0	1348.5	880.5	66.6 0.351
	32	180.0	1348.5	880.5	81.7 0.263
G	33	248.1	1348.5	880.5	93.3 0.205

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	7830.0	
3		DRILL COLLARS.....	6.250	2.250	462.0	
50		IMPACT REVERSING SUB.....	6.000	2.750	1.0	8292.5
3		DRILL COLLARS.....	6.250	2.250	292.0	
5		CROSSOVER.....	5.812	2.312	1.0	
62		MULTIPLE CIP SAMPLER.....	5.000	0.750	9.0	8594.0
14		EXTENSION JOINT.....	5.000	0.870	5.0	
14		EXTENSION JOINT.....	5.000	0.870	5.0	
80		AP RUNNING CASE.....	5.000	2.250	4.0	8606.0
87		ELECTRONIC GAUGE RUNNING CASE...	5.000	2.250	6.0	8612.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	7.000	1.530	5.0	8625.0
70		OPEN HOLE PACKER.....	7.000	1.530	5.0	8630.0
19		ANCHOR PIPE SAFETY JOINT.....	5.750	1.500	4.0	
5		CROSSOVER.....	5.750	2.500	1.0	
3		DRILL COLLARS.....	6.250	2.250	31.0	
5		CROSSOVER.....	5.750	2.500	1.0	
20		FLUSH JOINT ANCHOR.....	5.750	2.870	22.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	8693.0
TOTAL DEPTH					8696.0	
EQUIPMENT DATA						

PHILLIPS 26 STATE		1	2	10012.1 - 10070.0	JOHN L. COX
LEASE NAME		WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
FIELD LOCATION	26 - 12 S - 33 E				
SEC. - TWP. - RNG.					
		FIELD AREA			
			NORTHWEST OF LOYINGTON	COUNTY	LEB
					STATE
					NEW MEXICO

JOHN L. COX

LEASE : PHILLIPS 26 STATE

WELL NO.: 1

TEST NO.: 2

TICKET NO. 87744000
09-APR-96
HOBBS

John L. Co Phillips 26 ST # BT 1498

b

c

d f g

A H

57742 TUE 9/6
1516

GAUGE NO: 1516 DEPTH: 9986.3 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	5017	5056.5			
B	INITIAL FIRST FLOW	566	185.0	60.0	57.7	F
C	FINAL FIRST FLOW	1903	1857.5			
C	INITIAL FIRST CLOSED-IN	1903	1857.5	61.0	61.4	C
D	FINAL FIRST CLOSED-IN	3556	3598.6			
E	INITIAL SECOND FLOW	1688	1832.1	119.0	120.9	F
F	FINAL SECOND FLOW	3207	3258.5			
F	INITIAL SECOND CLOSED-IN	3207	3258.5	126.0	123.8	C
G	FINAL SECOND CLOSED-IN	3578	3595.5			
H	FINAL HYDROSTATIC	5083	5050.1			

Senn L
B
CE
F G
A H
17440 1516
1412

GAUGE NO: 1496 DEPTH:10067.0 BLANKED OFF: YES HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	5035	5100.0			
B	INITIAL FIRST FLOW	567	285.7	60.0	57.7	F
C	FINAL FIRST FLOW	1941	1897.2			
C	INITIAL FIRST CLOSED-IN	1941	1897.2	61.0	61.4	C
D	FINAL FIRST CLOSED-IN	3544	3625.2			
E	INITIAL SECOND FLOW	1745	1872.9	119.0	120.9	F
F	FINAL SECOND FLOW	3172	3291.1			
F	INITIAL SECOND CLOSED-IN	3172	3291.1	126.0	123.8	C
G	FINAL SECOND CLOSED-IN	3610	3654.1			
H	FINAL HYDROSTATIC	5035	5095.8			

EQUIPMENT & HOLE DATA		TICKET NUMBER: 87744000	
FORMATION TESTED: DEVONIAN		DATE: 03-31-96 TEST NO: 2	
NET PAY (ft): 10.0		TYPE DST: OPEN HOLE	
GROSS TESTED FOOTAGE: 57.9 PACKER TO T.D.		FIELD CAMP: HOBBS	
ALL DEPTHS MEASURED FROM: K.B.		TESTER: JOSEPH SMITH	
CASING PERFS. (ft):		WITNESS: BILL SMITH	
HOLE OR CASING SIZE (in): 7.875		DRILLING CONTRACTOR: ZIADRIL RIG #7	
ELEVATION (ft): 4243.0 AT GROUND LEVEL			
TOTAL DEPTH (ft): 10070.0			
PACKER DEPTH(S) (ft): 10008, 10012			
FINAL SURFACE CHOKE (in): 0.25000			
BOTTOM HOLE CHOKE (in): 0.750			
MUD WEIGHT (lb/gal): 9.70			
MUD VISCOSITY (sec): 40			
ESTIMATED HOLE TEMP. (°F):			
ACTUAL HOLE TEMP. (°F): 164 @ 10000.0 ft			
FLUID PROPERTIES FOR RECOVERED MUD & WATER		SAMPLER DATA	
SOURCE	RESISTIVITY	CHLORIDES	Psig AT SURFACE: 180.0
PIT MUD	1.099 @ 65 °F	84000 ppm	cu.ft. OF GAS: 4.560
RECOVERED WATER	1.002 @ 60 °F	120000 ppm	cc OF OIL:
	@ °F	ppm	cc OF WATER: 1700.0
	@ °F	ppm	cc OF MUD:
	@ °F	ppm	TOTAL LIQUID cc: 1700.0
	@ °F	ppm	
HYDROCARBON PROPERTIES		CUSHION DATA	
OIL GRAVITY (°API): @ °F		TYPE	AMOUNT WEIGHT
GAS/OIL RATIO (cu.ft. per bbl):			
GAS GRAVITY:			
RECOVERED : 7393 FT (98 BBLs) OF FORMATION WATER			MEASURED FROM TESTER VALVE
REMARKS :			

TICKET NO: 87744000
CLOCK NO: 23503 HOUR: 48

GAUGE NO: 1516
DEPTH: 9986.3

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta P}$	$\log \frac{t + \Delta P}{\Delta P}$
FIRST FLOW					
B	1	0.0	185.0		
	2	5.0	541.2	356.2	
	3	10.0	709.2	168.0	
	4	15.0	871.7	162.5	
	5	20.0	1028.8	157.1	
	6	25.0	1149.6	120.9	
	7	30.0	1281.9	132.3	
	8	34.9	1403.1	121.2	
	9	40.0	1503.8	100.7	
	10	45.0	1608.9	105.1	
	11	50.0	1707.4	98.5	
C	12	57.7	1857.5	150.1	
FIRST CLOSED-IN					
C	1	0.0	1857.5		
	2	0.5	3597.5	1740.0	0.5 2.041
	3	1.0	3597.8	1740.2	1.0 1.768
	4	1.5	3597.8	1740.2	1.4 1.604
	5	2.0	3598.0	1740.5	1.9 1.474
	6	2.5	3598.0	1740.5	2.4 1.386
	7	3.0	3598.0	1740.5	2.9 1.305
	8	3.5	3598.0	1740.5	3.3 1.239
	9	4.0	3598.0	1740.5	3.7 1.187
	10	4.5	3598.0	1740.5	4.2 1.142
	11	5.0	3598.0	1740.5	4.6 1.102
	12	10.0	3598.6	1741.1	8.5 0.832
	13	20.0	3598.6	1741.1	14.9 0.589
	14	30.0	3598.6	1741.1	19.7 0.466
	15	40.0	3598.6	1741.1	23.6 0.388
	16	50.0	3598.6	1741.1	26.8 0.333
D	17	61.4	3598.6	1741.1	29.7 0.288
SECOND FLOW					
E	1	0.0	1832.1		
	2	10.0	2027.4	195.3	
	3	20.0	2196.5	169.1	
	4	30.0	2353.4	156.8	
	5	40.0	2490.4	137.0	
	6	50.0	2614.7	124.3	
	7	60.0	2737.9	123.2	
	8	70.0	2838.2	100.3	
	9	80.0	2935.4	97.2	
	10	90.0	3024.2	88.8	
	11	100.0	3105.8	81.5	
	12	110.0	3180.2	74.5	
F	13	120.9	3258.5	78.3	

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta P}$	$\log \frac{t + \Delta P}{\Delta P}$
SECOND CLOSED-IN					
F	1	0.0	3258.5		
	2	0.5	3594.4	335.9	0.5 2.525
	3	1.0	3595.1	336.6	0.9 2.276
	4	5.0	3595.1	336.6	4.9 1.565
	5	10.0	3595.3	336.8	9.5 1.276
	6	20.0	3595.5	337.0	18.0 0.997
	7	30.0	3595.5	337.0	25.7 0.842
	8	45.0	3595.5	337.0	35.9 0.697
	9	60.0	3595.5	337.0	44.9 0.600
	10	90.0	3595.5	337.0	59.8 0.475
G	11	123.8	3595.5	337.0	73.1 0.388

REMARKS:

TICKET NO : 87744000
CLOCK NO : 20518 HOUR : 48

GAUGE NO : 1496
DEPTH : 10067.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta P}$	$\log \frac{t + \Delta P}{\Delta P}$
FIRST FLOW					
B	1	0.0	285.7		
	2	5.0	592.4	306.7	
	3	10.0	786.5	194.2	
	4	15.0	949.9	163.4	
	5	20.0	1088.9	139.0	
	6	25.0	1222.6	133.7	
	7	30.0	1343.0	120.4	
	8	35.0	1432.7	89.7	
	9	40.0	1539.4	106.7	
	10	45.0	1644.1	104.7	
	11	50.0	1761.6	117.5	
	12	55.0	1866.5	104.9	
C	13	57.7	1897.2	30.7	
FIRST CLOSED-IN					
C	1	0.0	1897.2		
	2	0.5	2888.5	991.3	0.5 2.048
	3	1.0	3541.2	1644.0	1.0 1.776
	4	1.5	3597.3	1700.1	1.5 1.595
	5	2.0	3609.9	1712.7	1.9 1.482
	6	2.5	3615.7	1718.5	2.4 1.384
	7	3.0	3618.3	1721.1	2.9 1.305
	8	3.5	3621.0	1723.8	3.3 1.246
	9	4.0	3622.5	1725.3	3.7 1.189
	10	4.5	3622.9	1725.8	4.2 1.139
	11	5.0	3623.2	1726.0	4.6 1.096
	12	10.0	3623.8	1726.6	8.5 0.832
	13	20.0	3624.5	1727.3	14.8 0.590
	14	30.0	3625.2	1728.0	19.7 0.466
	15	40.0	3625.2	1728.0	23.6 0.388
	16	50.0	3625.2	1728.0	26.8 0.333
D	17	61.4	3625.2	1728.0	29.7 0.288
SECOND FLOW					
E	1	0.0	1872.9		
	2	10.0	2055.3	182.4	
	3	20.0	2220.6	165.3	
	4	30.0	2368.2	147.5	
	5	40.0	2515.0	146.9	
	6	50.0	2641.3	126.2	
	7	60.0	2754.2	112.9	
	8	70.0	2862.5	108.3	
	9	80.0	2965.6	103.2	
	10	90.0	3057.0	91.4	
	11	100.0	3139.1	82.1	
	12	110.0	3216.1	77.0	
F	13	120.9	3291.1	75.0	

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta P}{t + \Delta P}$	$\log \frac{t + \Delta P}{\Delta P}$
SECOND CLOSED-IN					
F	1	0.0	3291.1		
	2	0.5	3652.5	361.4	0.5 2.536
	3	1.0	3652.5	361.4	1.0 2.237
	4	5.0	3652.5	361.4	4.9 1.562
	5	10.0	3652.5	361.4	9.4 1.277
	6	20.0	3652.8	361.6	18.0 0.998
	7	30.0	3652.8	361.6	25.7 0.842
	8	45.0	3653.4	362.3	36.0 0.696
	9	60.0	3653.6	362.5	44.9 0.599
	10	90.0	3653.9	362.7	59.9 0.475
G	11	123.8	3654.1	362.9	73.1 0.388

REMARKS :

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	9207.3	
3		DRILL COLLARS.....	6.250	2.250	722.0	
152		PUMPOUT & IMPACT REVERSING SUB...	6.000	2.500	1.0	9929.8
3		DRILL COLLARS.....	6.250	2.250	31.1	
5		CROSSOVER.....	5.812	2.312	1.0	
62		MULTIPLE CIP SAMPLER.....	5.000	0.750	8.6	9971.0
14		EXTENSION JOINT.....	5.000	0.875	7.1	
14		EXTENSION JOINT.....	5.000	0.875	7.1	
80		AP RUNNING CASE.....	5.000	2.250	4.1	9986.3
87		ELECTRONIC GAUGE RUNNING CASE...	5.000	2.250	6.1	9995.5
15		JAR.....	5.000	1.750	5.2	
16		VR SAFETY JOINT.....	5.000	1.000	3.5	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	10008.2
70		OPEN HOLE PACKER.....	7.000	1.530	5.1	10012.1
19		ANCHOR PIPE SAFETY JOINT.....	5.750	2.875	7.9	
5		CROSSOVER.....	5.750	2.500	1.0	
3		DRILL COLLARS.....	6.250	2.250	31.2	
5		CROSSOVER.....	5.750	2.500	1.0	
20		FLUSH JOINT ANCHOR.....	5.750	2.875	9.7	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.1	10067.0
TOTAL DEPTH					10070.0	
EQUIPMENT DATA						