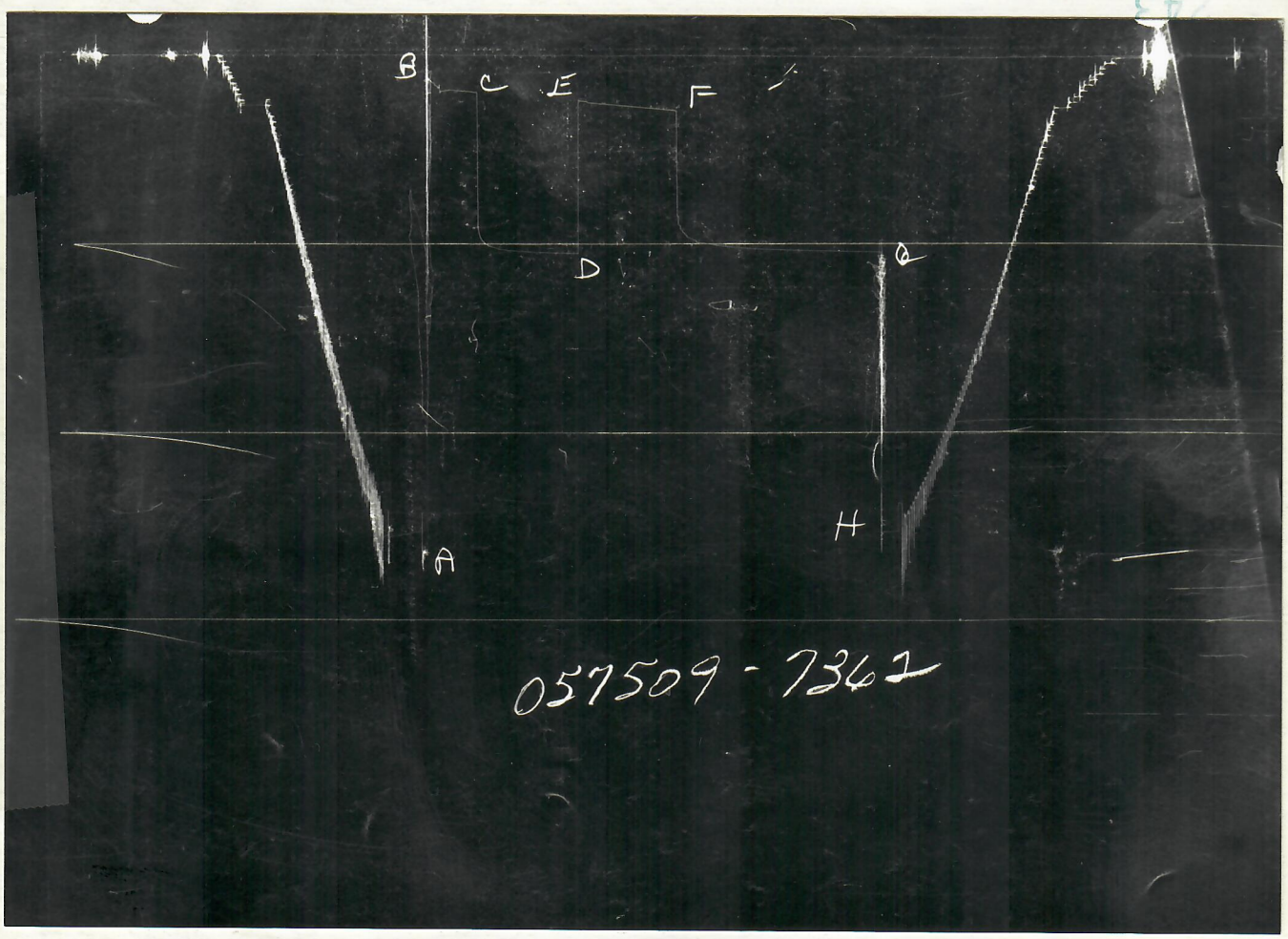
HALLIBURTON
SERVICES

TICKET NO. 05750900
21-MAR-83
LAMAR

ELLENBURGER	B-1	1	5345.' - 5370.'	TEXAS OIL AND GAS CORPORATION	
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG. 17 25S 47W	FIELD AREA	COUNTY PROWERS	STATE COLORADO	I/J	

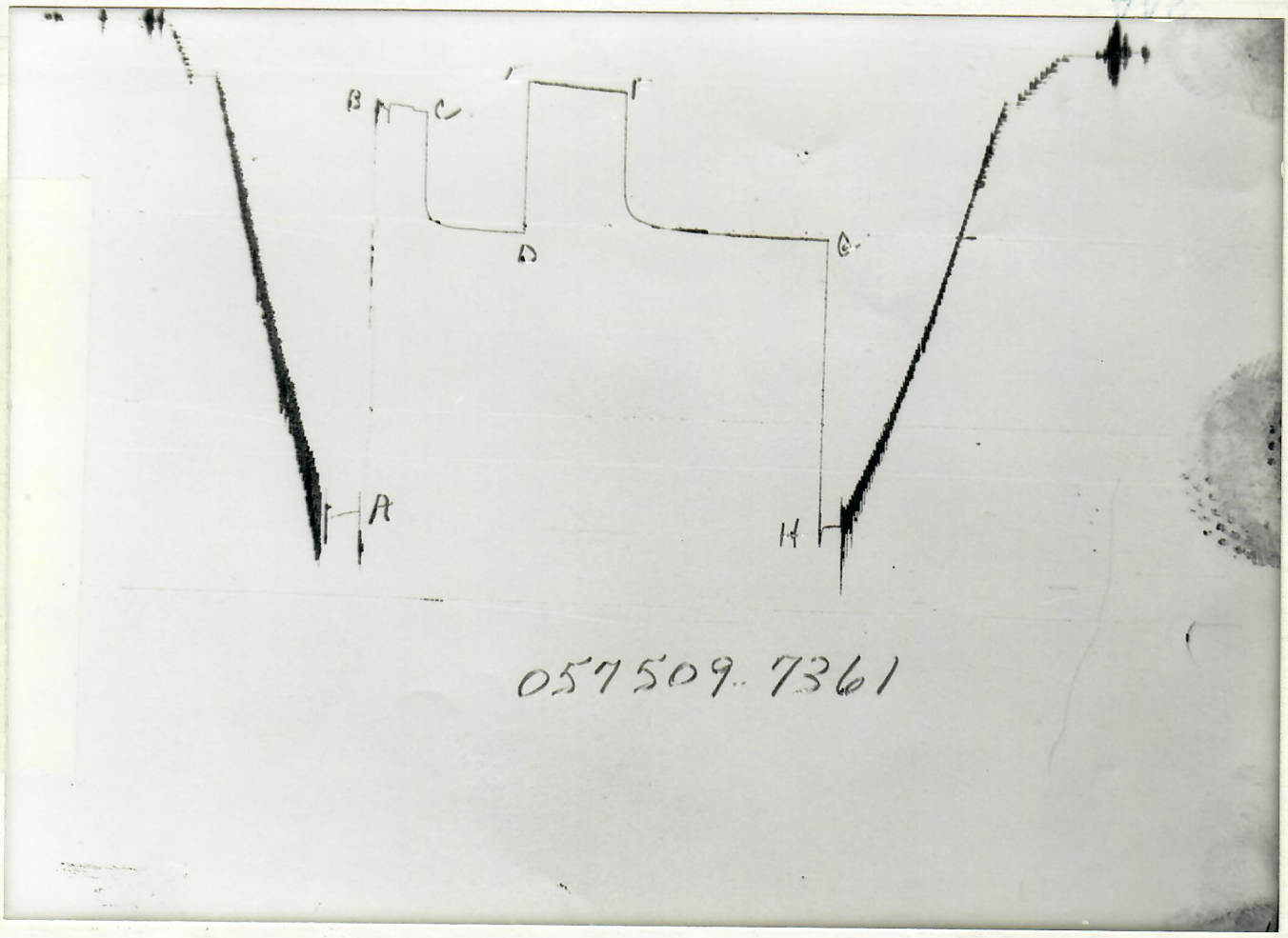
DVR	FJP	HHM	JAM	RCC	LAR	GCM

FORMATION TESTING SERVICE REPORT



GAUGE NO: 7362 DEPTH: 5324.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2541	2538.1			
B	INITIAL FIRST FLOW	108	128.8	30.0	30.8	F
C	FINAL FIRST FLOW	184	201.2			
C	INITIAL FIRST CLOSED-IN	184	201.2	60.0	60.2	C
D	FINAL FIRST CLOSED-IN	1056	1050.9			
E	INITIAL SECOND FLOW	240	236.1	60.0	59.0	F
F	FINAL SECOND FLOW	287	293.4			
F	INITIAL SECOND CLOSED-IN	287	293.4	120.0	123.2	C
G	FINAL SECOND CLOSED-IN	1056	1040.3			
H	FINAL HYDROSTATIC	2541	2529.5			



GAUGE NO: 7361 DEPTH: 5368.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2558.8			
B	INITIAL FIRST FLOW		428.3	30.0	30.8	F
C	FINAL FIRST FLOW		440.4			
C	INITIAL FIRST CLOSED-IN		440.4	60.0	60.2	C
D	FINAL FIRST CLOSED-IN		1057.4			
E	INITIAL SECOND FLOW		261.4	60.0	59.0	F
F	FINAL SECOND FLOW		305.4			
F	INITIAL SECOND CLOSED-IN		305.4	120.0	123.2	C
G	FINAL SECOND CLOSED-IN		1041.9			
H	FINAL HYDROSTATIC		2552.1			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MORROW
NET PAY (ft): 20.0
GROSS TESTED FOOTAGE: 25.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 4148
TOTAL DEPTH (ft): 5370.0
PACKER DEPTH(S) (ft): 5339, 5345
FINAL SURFACE CHOKE (in): 1.000
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.10
MUD VISCOSITY (sec): 62
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 142 @ 5366.0 ft

TICKET NUMBER: 05750900

DATE: 3-15-83 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: LAMAR

TESTER: M. C. AUSTIN

WITNESS: JERRY W. DAVIS

DRILLING CONTRACTOR: MURFIN DRILLING COMPANY

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
TOP	0.280 @ 62 °F	13363 ppm
MIDDLE	0.070 @ 61 °F	76685 ppm
BOTTOM	0.060 @ 60 °F	96435 ppm
PIT	2.180 @ 60 °F	1238 ppm
SAMPLER	0.060 @ 60 °F	96435 ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE: 48
cu.ft. OF GAS: 2.92
cc OF OIL: 0
cc OF WATER: 0
cc OF MUD: 0
TOTAL LIQUID cc: 0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

150 FEET OF MUD.
425 FEET OF WATER.

MEASURED FROM TESTER VALVE

REMARKS:

CHARTS INDICATE PARTIAL PLUGGING OF THE ANCHOR PERFORATIONS DURING THE INITIAL FLOW PERIOD.
GAUGE #7362 INDICATES STAIR-STEPPING DURING THE FINAL CIP PERIOD.
SAMPLER DATA: C.C.'S OF WATER = TRACE.

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 05750900

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
3-15-83					
1500					CALLED OUT.
1800					ON LOCATION, PULLING DRILL PIPE
1915					STARTED PICKING UP TOOL.
2000					TOOL MADE UP.
2215					TOOL ON BOTTOM.
2220					OPENED TOOL WITH A STRONG BLOW
					OFF BOTTOM IN 30 SECONDS.
2224					GAS TO SURFACE.
2230	1	28	907		
2240	1	28	907		
2250	1	28	907		CLOSED TOOL.
2350					OPENED TOOL.
3-16-83					
0000	1	35	1057		
0010	1	42	1205		
0020	1	38	1120		
0030	1	38	1120		
0040	1	38	1120		
0050	1	38	1120		CLOSED TOOL.
0250					PULLED OFF BOTTOM.

TICKET NO: 05750900

CLOCK NO: 3301 HOUR: 12

HALLIBURTON SERVICES

GAUGE NO: 7361

DEPTH: 5368.0

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	428.3			
	2	5.0	427.5	-0.8		
	3	10.0	405.7	-21.8		
	4	15.0	410.5	4.9		
	5	20.0	415.7	5.1		
	6	25.0	436.8	21.2		
C	7	30.8	440.4	3.6		
			FIRST CLOSED-IN			
C	1	0.0	440.4			
	2	4.0	999.0	558.6	3.6	0.936
	3	8.0	1021.1	580.8	6.3	0.686
	4	12.0	1032.6	592.2	8.6	0.553
	5	16.0	1039.8	599.4	10.5	0.466
	6	20.0	1044.4	604.0	12.1	0.405
	7	24.0	1046.6	606.2	13.5	0.358
	8	28.0	1047.8	607.4	14.7	0.322
	9	32.0	1048.4	608.0	15.7	0.293
	10	36.0	1052.5	612.1	16.6	0.268
	11	40.0	1053.9	613.5	17.4	0.248
	12	44.0	1054.8	614.4	18.1	0.231
	13	48.0	1055.6	615.2	18.8	0.215
	14	52.0	1056.5	616.1	19.3	0.202
	15	56.0	1057.4	617.0	19.9	0.190
D	16	60.2	1057.4	617.0	20.4	0.179
			SECOND FLOW			
E	1	0.0	261.4			
	2	10.0	270.9	9.5		
	3	20.0	274.6	3.7		
	4	30.0	282.8	8.2		
	5	40.0	291.6	8.8		
	6	50.0	298.4	6.8		
F	7	59.0	305.4	7.0		
			SECOND CLOSED-IN			
F	1	0.0	305.4			
	2	8.0	963.3	657.9	7.4	1.086
	3	16.0	992.0	686.6	13.6	0.820
	4	24.0	1007.0	701.7	19.0	0.676
	5	32.0	1015.0	709.6	23.6	0.581
	6	40.0	1021.8	716.4	27.7	0.511
	7	48.0	1025.6	720.2	31.3	0.458
	8	56.0	1027.9	722.5	34.5	0.416
	9	64.0	1030.2	724.8	37.4	0.381
	10	72.0	1033.6	728.2	40.0	0.352

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
		SECOND CLOSED-IN - CONTINUED				
	11	80.0	1034.7	729.3	42.3	0.327
	12	88.0	1036.8	731.4	44.5	0.305
	13	96.0	1038.8	733.4	46.4	0.287
	14	104.0	1039.0	733.6	48.2	0.270
	15	112.0	1039.4	734.0	49.8	0.256
G	16	123.2	1041.9	736.5	51.9	0.238

REMARKS:

TICKET NO: 05750900

CLOCK NO: 26293 HOUR: 12

HALLIBURTON SERVICES

GAUGE NO: 7362

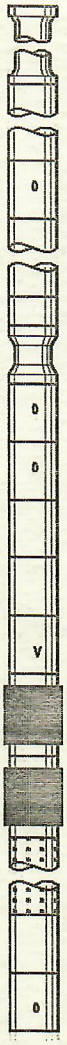
DEPTH: 5324.0

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	128.8			
	2	5.0	160.7	31.9		
	3	10.0	190.9	30.2		
	4	15.0	186.4	-4.5		
	5	20.0	191.6	5.1		
	6	25.0	194.3	2.8		
C	7	30.8	201.2	6.9		
			FIRST CLOSED-IN			
C	1	0.0	201.2			
	2	4.0	993.5	792.3	3.5	0.939
	3	8.0	1015.4	814.3	6.3	0.687
	4	12.0	1026.0	824.9	8.6	0.553
	5	16.0	1032.5	831.3	10.5	0.466
	6	20.0	1037.4	836.2	12.1	0.405
	7	24.0	1040.3	839.1	13.5	0.359
	8	28.0	1042.7	841.5	14.7	0.322
	9	32.0	1044.2	843.1	15.7	0.293
	10	36.0	1045.9	844.8	16.6	0.268
	11	40.0	1046.9	845.7	17.4	0.248
	12	44.0	1048.0	846.8	18.1	0.230
	13	48.0	1049.2	848.0	18.8	0.215
	14	52.0	1050.1	848.9	19.3	0.202
	15	56.0	1050.5	849.3	19.9	0.190
D	16	60.2	1050.9	849.7	20.4	0.179
			SECOND FLOW			
E	1	0.0	236.1			
	2	10.0	255.5	19.4		
	3	20.0	263.2	7.7		
	4	30.0	271.2	8.0		
	5	40.0	278.9	7.7		
	6	50.0	286.9	8.0		
F	7	59.0	293.4	6.5		
			SECOND CLOSED-IN			
F	1	0.0	293.4			
	2	8.0	965.2	671.8	7.3	1.088
	3	16.0	992.9	699.5	13.6	0.820
	4	24.0	1005.5	712.1	18.9	0.676
	5	32.0	1012.8	719.4	23.6	0.581
	6	40.0	1019.1	725.7	27.7	0.511
	7	48.0	1025.5	732.1	31.3	0.458
	8	56.0	1028.3	734.9	34.5	0.416
	9	64.0	1029.8	736.4	37.4	0.381
	10	72.0	1032.1	738.7	40.0	0.352

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			SECOND CLOSED-IN - CONTINUED			
	11	80.0	1034.0	740.6	42.3	0.327
	12	88.0	1034.8	741.4	44.4	0.306
	13	96.0	1036.1	742.7	46.4	0.287
	14	104.0	1037.8	744.4	48.2	0.270
	15	112.0	1039.3	745.9	49.8	0.256
G	16	123.2	1040.3	746.9	51.9	0.238

REMARKS:

TICKET NO. 05750900



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	4765.0	
3	DRILL COLLARS.....	6.250	2.250	480.0	
50	IMPACT REVERSING SUB.....	6.500	2.500	1.0	5245.0
3	DRILL COLLARS.....	6.250	2.250	60.0	
5	CROSSOVER.....	6.500	2.500	1.0	
11	HANDLING SUB & CHOKE ASSEMBLY...	4.500	3.826	4.0	
13	DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	5319.0
80	AP RUNNING CASE.....	5.000	3.060	4.0	5324.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	3.0	
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	5339.0
70	OPEN HOLE PACKER.....	6.750	1.530	6.0	5345.0
20	FLUSH JOINT ANCHOR.....	5.000	2.370	18.0	
82	TEMPERATURE RUNNING CASE.....	5.000		1.0	5366.0
81	BLANKED-OFF RUNNING CASE.....	5.000		4.0	5368.0

TOTAL DEPTH 5370.0

EQUIPMENT DATA