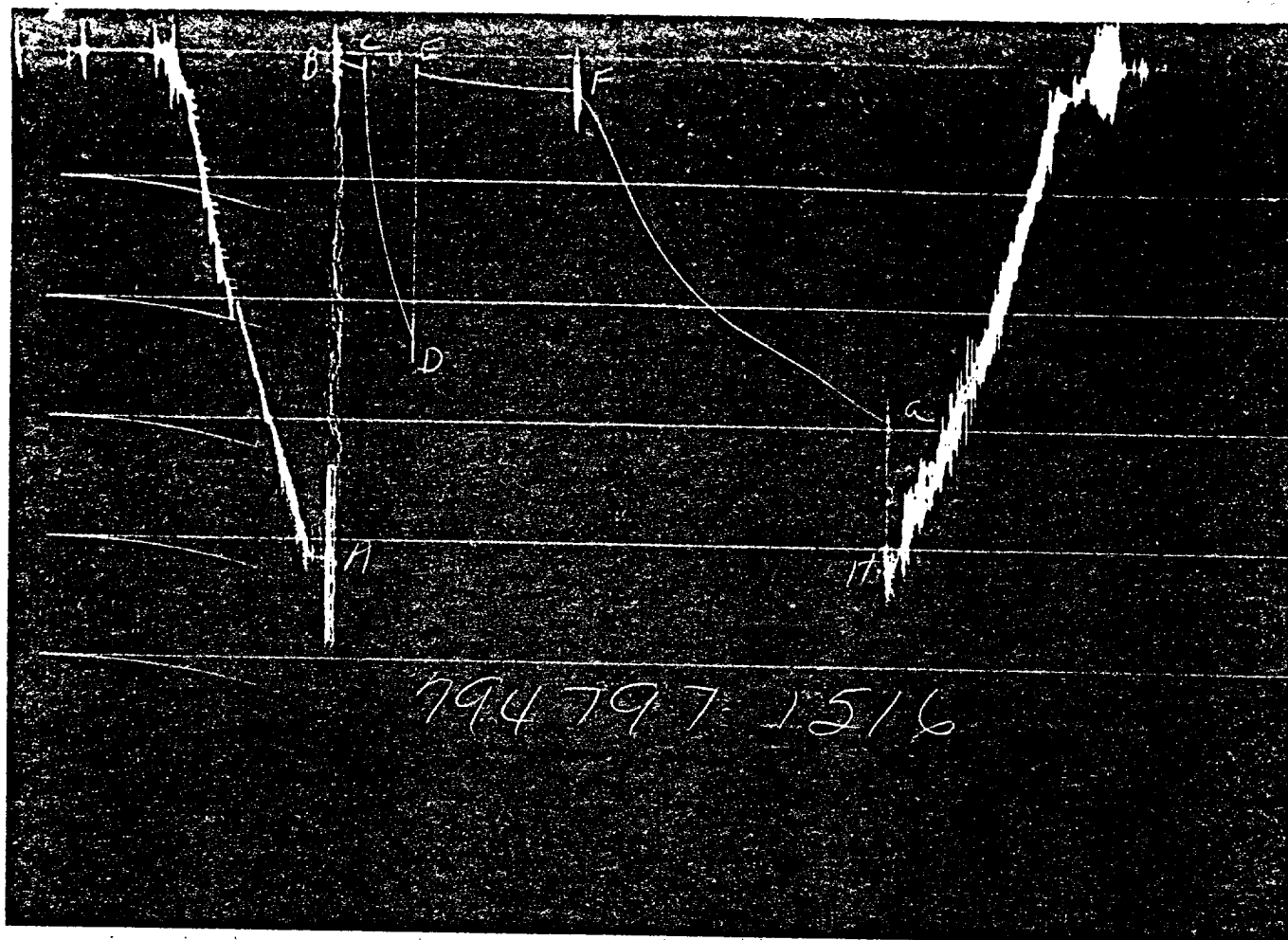




TICKET NO. 79479700
03-AUG-84
HOBBS

FORMATION TESTING SERVICE REPORT

LEASE NAME	WELL NO.	TEST NO.	9485.1	9535.1
LEGAL LOCATION SEC. - TWP. - RNC.	36-185-33E	FIELD AREA	WILDCAT	COUNTY
			LEA	STATE NEW MEXICO SM
				Denial



GAUGE NO: 1516 DEPTH: 9464.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4126	4151.5			
B	INITIAL FIRST FLOW	66	20.9			
C	FINAL FIRST FLOW	132	116.3	31.0	30.9	F
C	INITIAL FIRST CLOSED-IN	132	116.3			
D	FINAL FIRST CLOSED-IN	2321	2301.9	59.0	59.4	C
E	INITIAL SECOND FLOW	132	125.2			
F	FINAL SECOND FLOW	263	254.2	180.0	179.6	F
F	INITIAL SECOND CLOSED-IN	263	254.2			
G	FINAL SECOND CLOSED-IN	2892	2921.7	360.0	360.1	C
H	FINAL HYDROSTATIC	4126	4148.0			

TYPE & SIZE MEASURING DEVICE:

POSITIVE CHOKE

TICKET NO: 79479700

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
7-28-84					
1830					CALLED OUT
2200					ON LOCATION
2300					UNLOADED TOOLS
7-29-84					
0100					WENT IN HOLE
0515					DEVELOPED LEAK
0530					PULLED OUT OF HOLE HUNTING
					LEAK.
1130					BROKE OUT CIRCULATING SUB,
					TESTER, SAMPLER
1200					CHANGED OUT CHARTS
1200					WAITED ON TOOLS
1300					WENT IN HOLE SLOWLY CHECKING
					FOR LEAK.
1624					SET PACKERS
1627	BH	0			OPENED TOOL WITH VERY WEAK BLOW.
1632					1" BLOW
1637	BH				1.5" BLOW
1642	"				1.5" BLOW
1647	"				2" BLOW
1652	"				2.25" BLOW
1658	"				CLOSED TOOL - 2.50" BLOW
1757	"				OPENED TOOL WITH VERY WEAK BLOW
1807	"				1" BLOW
1817	"				1.25" BLOW
1827	"				1.50" BLOW
1837	"				1.75" BLOW
1847	"				2" BLOW
1857	"				STABLE, 2" BLOW
1907	"				2" BLOW
1917	"				2" BLOW
1927	"				2" BLOW
1937	"				2" BLOW
1947	"				2" BLOW
1947	"				2" BLOW
1957	"				2" BLOW

TYPE & SIZE MEASURING DEVICE: _____ POSITIVE CHOKE

POSITIVE CHOKE

TICKET NO: 7947970

[illegible]

EQUIPMENT & HOLE DATA

FORMATION TESTED: BONE SPRINGS
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 100.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 3856
 TOTAL DEPTH (ft): 9585.0
 PACKER DEPTH(S) (ft): 9478, 9485
 FINAL SURFACE CHOKE (in): _____
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 8.40
 MUD VISCOSITY (sec): 28
 ESTIMATED HOLE TEMP. (°F): 147
 ACTUAL HOLE TEMP. (°F): 0 - ft

TICKET NUMBER: 79479700

DATE: 7-29-84 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
HOBBS

TESTER: T. GOMEZ

WITNESS: BILL COZART

DRILLING CONTRACTOR:
HONDO DRILLING #4

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
SAMPLER	0.452 @ 74 °F	6000 ppm
TOOL TOP	0.480 @ 74 °F	6000 ppm
TOP RECOVERY	0.510 @ 74 °F	5500 ppm
PIT	0.480 @ 74 °F	6000 ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Pstg AT SURFACE: 100
 cu.ft. OF GAS: 0.00
 cc OF OIL: 0
 cc OF WATER: 2000
 cc OF MUD: 0
 TOTAL LIQUID cc: 2000

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

544 FEET OF WATER WITH TRACE OF OIL

MEASURED FROM
TESTER VALVE

REMARKS:

SAMPLER CONTAINED A TRACE OF OIL.

PH'S:

SAMPLER = 9.0

TOOL TOP = 9.1

TOP RECOVERY = 9.0

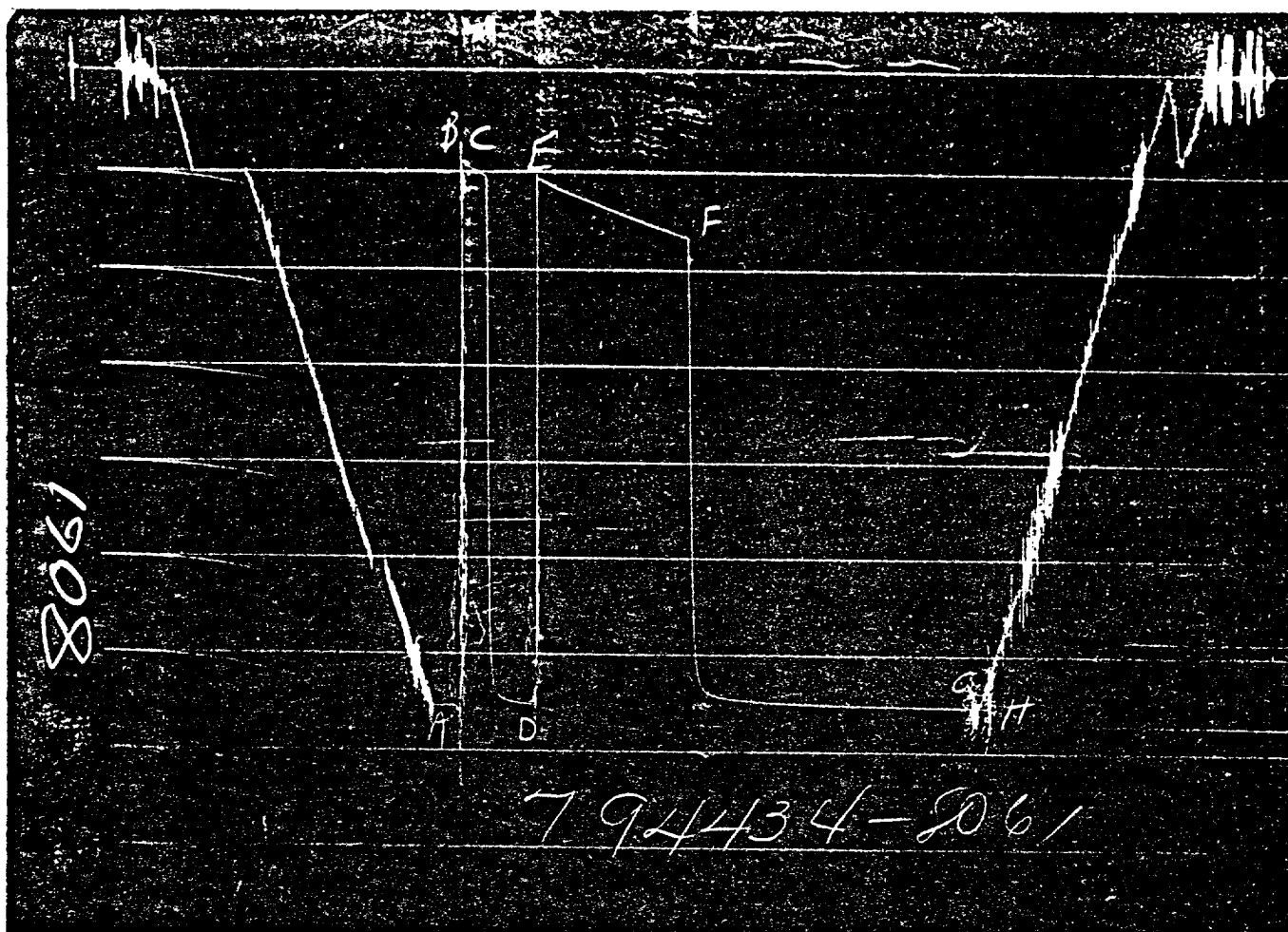
PIT = 9.2



TICKET NO. 79443400
22-AUG-84
HOBBS

FORMATION TESTING SERVICE REPORT

N.M. 36 SILE COMM.		1		2		12570.1 - 12807.1		JAKE L. HARMON	
LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.		36 - 18S - 33E		FIELD AREA		WILDCAT		COUNTY	
								LEA	
								STATE NEW MEXICO	
								SM	



GAUGE NO: 8061 DEPTH: 12554.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	6516	6518.3			
B	INITIAL FIRST FLOW	871	867.2			
C	FINAL FIRST FLOW	1003	1018.7	30.0	30.1	F
C	INITIAL FIRST CLOSED-IN	1003	1018.7			
D	FINAL FIRST CLOSED-IN	6490	6503.9	60.0	59.3	C
E	INITIAL SECOND FLOW	1029	1048.3			
F	FINAL SECOND FLOW	1629	1638.3	180.0	179.8	F
F	INITIAL SECOND CLOSED-IN	1629	1638.3			
G	FINAL SECOND CLOSED-IN	6490	6519.0	360.0	360.8	C
H	FINAL HYDROSTATIC	6490	6511.2			

TYPE & SIZE MEASURING DEVICE: POSITIVE CHOKE					TICKET NO: 79443400
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-15-84					
1715					ON LOCATION
1945					PICKED UP TOOLS
2115					STARTED IN HOLE
8-16-84					
0315	BH				OPENED TOOL. SLID 1
					FOOT, WEAK BLOW.
0320	BH				WEAK INCREASING BLOW, 2 1/2"
					IN BUCKET.
0325	BH				INCREASING, GOOD BLOW
0330	BH				INCREASING, GOOD BLOW.
0335	BH				INCREASING, STRONG BLOW.
0340	BH				INCREASING, STRONG BLOW
0345	BH				CLOSED TOOL
0445	BH				OPENED TOOL, WEAK BLOW.
0450	BH				INCREASING, WEAK BLOW.
0455	BH				INCREASING, WEAK BLOW.
0505	BH				INCREASING, GOOD BLOW.
0515	BH				INCREASING, STRONG BLOW.
0525	BH	4 OZ.			INCREASING, SLOWLY.
0535	BH	4 OZ.			SAME
0545	BH	4 OZ.			SAME
0555	BH	3 OZ.			SLIGHT DECREASE
0605	BH	2.5 OZ.			SLIGHT DECREASE
0615	BH	2 OZ.			SLIGHT DECREASE
0625	BH	2 OZ.			NO CHANGE
0635	BH	2 OZ.			NO CHANGE
0645	BH	2 OZ.			NO CHANGE
0655	BH	2 OZ.			NO CHANGE
0705	BH	2 OZ.			NO CHANGE
0715	BH	2 OZ.			NO CHANGE
0725	BH	2 OZ.			NO CHANGE
0735	BH	2 OZ.			NO CHANGE
0745	BH	2 OZ.			NO CHANGE, CLOSED TOOL
1345					OPENED BYPASS, JARRED OFF
					BOTTOM
1415					STARTED OUT OF THE HOLE.

EQUIPMENT & HOLE DATA

FORMATION TESTED: ATOKA
NET PAY (ft): 10.0
GROSS TESTED FOOTAGE: 237.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 3856
TOTAL DEPTH (ft): 12807.0
PACKER DEPTH(S) (ft): 12565, 12570
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 10.20
MUD VISCOSITY (sec): 36
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): 168 @ 12803.0 ~ft

TICKET NUMBER: 79443400

DATE: 8-16-84 TEST NO: 2

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
HOBBS

TESTER: G. HAYES
J. BRADSHAW

WITNESS: PERRY BRASHER

DRILLING CONTRACTOR:
HONDO DRILLING

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
TOP OF RECOVERY	<u>2.050 @ 70 °F</u>	<u>2000 ppm</u>
MIDDLE OF RECOVERY	<u>1.890 @ 70 °F</u>	<u>2000 ppm</u>
BOTTOM OF RECOVERY	<u>1.800 @ 70 °F</u>	<u>3000 ppm</u>
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 375
cu.ft. OF GAS: 0.10
cc OF OIL: 0
cc OF WATER: 2300
cc OF MUD: 0
TOTAL LIQUID cc: 2300

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
<u>WATER (FT)</u>	<u>2000.0</u>	<u>8.33</u>

RECOVERED:

2000 FEET OF WATER
837 FEET OF MUD
1116 FEET OF SLIGHTLY GAS CUT FORMATION WATER

MEASURED FROM
TESTER VALVE

REMARKS:



TICKET NO. 79422200

28-AUG-84

HOBBS

FORMATION TESTING SERVICE REPORT

N.M. 36 STATE COMM.		1		3		13080. - 13170.		HARMON OIL COMPANY	
LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION		36-185-33E		FIELD AREA		WILDCAT		COUNTY	
SEC. - TWP. - RNG.								LEA	
								STATE : NEW MEXICO SM	



GAUGE NO: 108 DEPTH: 13065.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	7396	7155.4			
B	INITIAL FIRST FLOW	969	921.8			
C	FINAL FIRST FLOW	1423	1354.3	31.0	30.0	F
C	INITIAL FIRST CLOSED-IN	1423	1354.3			
D	FINAL FIRST CLOSED-IN	6772	6710.6	63.0	61.5	C
E	INITIAL SECOND FLOW	1480	1400.0			
F	FINAL SECOND FLOW	2617	2604.7	121.0	120.2	F
F	INITIAL SECOND CLOSED-IN	2617	2604.7			
G	FINAL SECOND CLOSED-IN	6772	6704.8	239.0	240.8	C
H	FINAL HYDROSTATIC	7170	7128.4			

EQUIPMENT & HOLE DATA

FORMATION TESTED: MORROW
NET PAY (ft): 20.0
GROSS TESTED FOOTAGE: 90.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 3856
TOTAL DEPTH (ft): 13170.0
PACKER DEPTH(S) (ft): 13075, 13080
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 10.50
MUD VISCOSITY (sec): 36
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): 178 @ 13166.0 ~ ft

TICKET NUMBER: 79422200

DATE: 8-20-84 TEST NO: 3

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
HOBBS

TESTER: H. SMITH
J. BRADSHAW

WITNESS: PERRY BRASHER

DRILLING CONTRACTOR:
HONDO

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
PIT	0.056 @ 75 °F	110000 ppm
TOP OF FLUID	0.126 @ 75 °F	40000 ppm
FLUID CHANGE #1	0.108 @ 75 °F	43000 ppm
FLUID CHANGE #2	2.080 @ 75 °F	1500 ppm
FLUID CHANGE #3	0.057 @ 75 °F	110000 ppm
	@ °F	ppm

SAMPLER DATA

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

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
WATER (FT)	2000.0	8.30

RECOVERED:

4000 FEET OF MUD AND WATER

MEASURED FROM
TESTER VALVE

REMARKS:

FLUID CHANGE #1: SG = 1.053, PH=6.9, CA=2000, MG=180, S04=2450, HC03=975, FE = NIL

SAMPLE CHAMBER HAD NO GAS, PSI, OR FLUID.

READINGS ON GAUGE # 108 QUESTIONABLE, STYLUS POSSIBLY SLIPPED.

TYPE & SIZE MEASURING DEVICE:

POSITIVE CHOKE

TICKET NO: 79422200

[illegible]