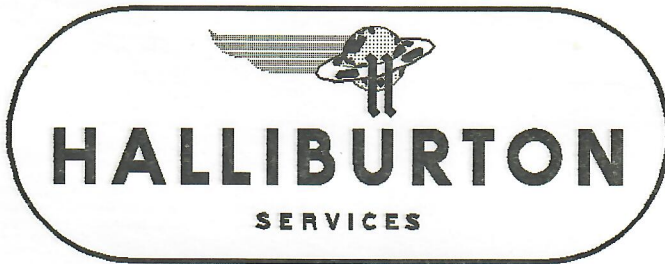


373

LEASE NAME **STEHLE** WELL NO. **14-32** TEST NO. **2** TESTED INTERVAL **4130.0 - 4166.0** BMBB INCORPORATED
LEASE OWNER/COMPANY NAME

LEGAL LOCATION **14 7N 9WD** FIELD AREA **PINE RIDGE** COUNTY **MOFFAT** STATE **COLORADO** SM
SEC. - TWP. - RNG.



TICKET NO. 24559700
05-NOV-85
VERNAL

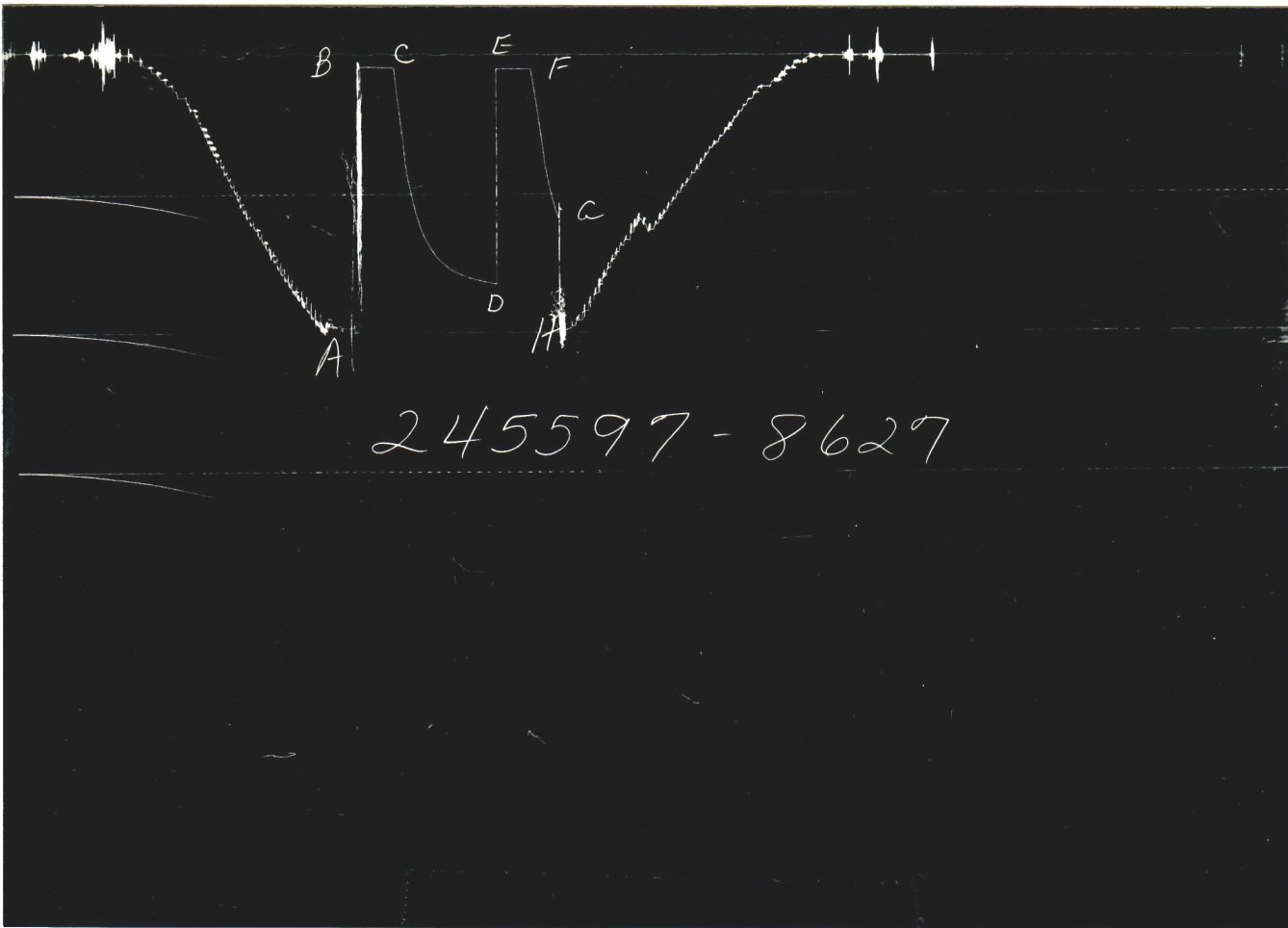


FORMATION TESTING SERVICE REPORT

15

AR

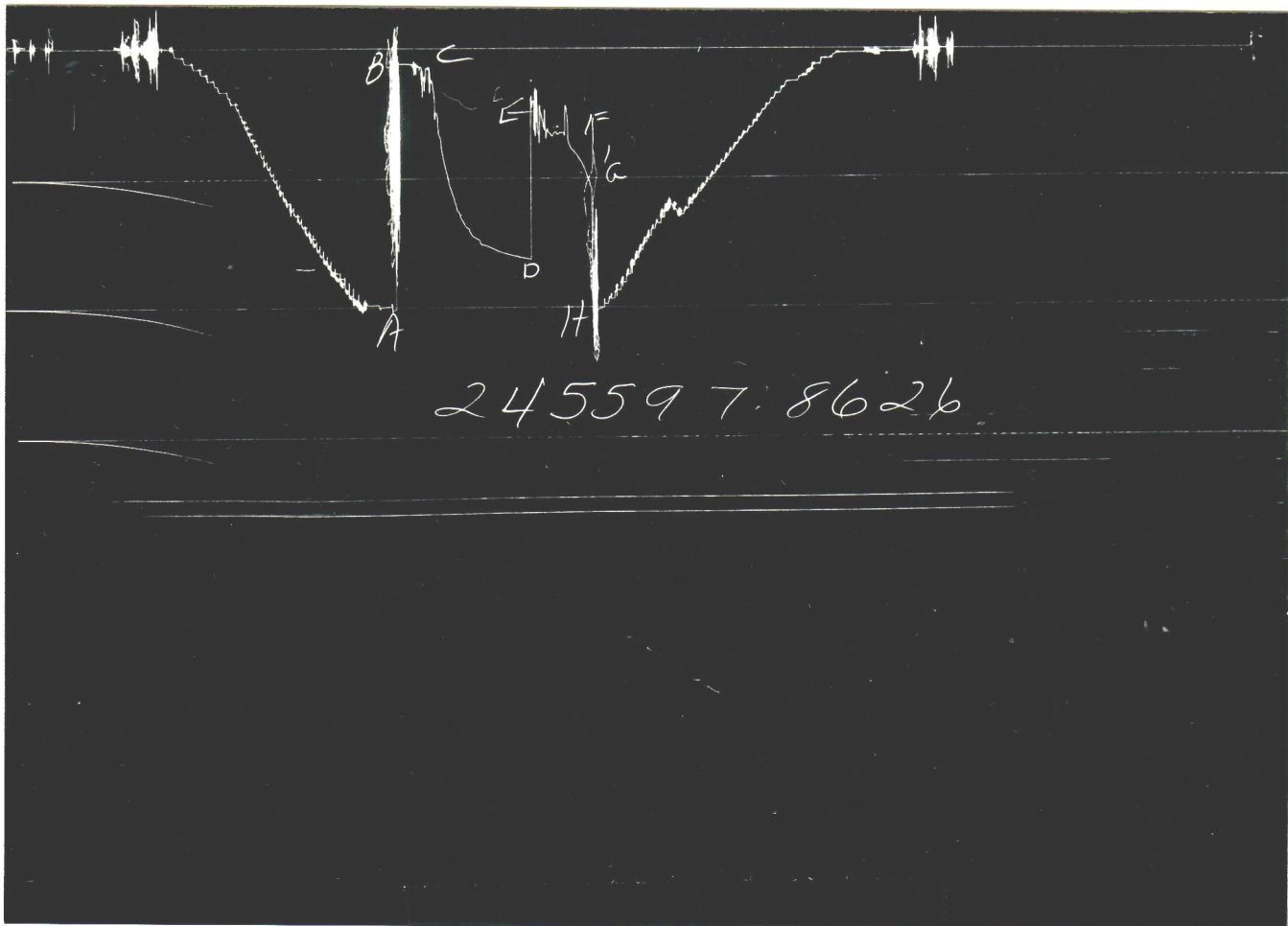
A



GAUGE NO: 8627 DEPTH: 4105.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2017	1986.4			
B	INITIAL FIRST FLOW	56	63.5			
C	FINAL FIRST FLOW	75	96.3	22.0	21.0	F
C	INITIAL FIRST CLOSED-IN	75	96.3			
D	FINAL FIRST CLOSED-IN	1682	1662.9	60.0	60.6	C
E	INITIAL SECOND FLOW	56	108.3			
F	FINAL SECOND FLOW	56	105.0	17.0	20.4	F
F	INITIAL SECOND CLOSED-IN	56	105.0			
G	FINAL SECOND CLOSED-IN	1123	1187.8	16.0	16.4	C
H	FINAL HYDROSTATIC	2017	1983.2			

BEST IMAGE
AVAILABLE



GAUGE NO: 8626 DEPTH: 4163.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2038	2008.8			
B	INITIAL FIRST FLOW	80	127.7			
C	FINAL FIRST FLOW	120	251.8	22.0	21.0	F
C	INITIAL FIRST CLOSED-IN	120	251.8			
D	FINAL FIRST CLOSED-IN	1659	1643.6	60.0	60.6	C
E	INITIAL SECOND FLOW	361	383.6			
F	FINAL SECOND FLOW	561	548.6	17.0	20.4	F
F	INITIAL SECOND CLOSED-IN	561	548.6			
G	FINAL SECOND CLOSED-IN	1161	1088.1	16.0	16.4	C
H	FINAL HYDROSTATIC	2038	2015.5			

**BEST IMAGE
AVAILABLE**

EQUIPMENT & HOLE DATA

FORMATION TESTED: LOWER LANCE
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 36.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 6691.0
 TOTAL DEPTH (ft): 4166.0
 PACKER DEPTH(S) (ft): 4122. 4130
 FINAL SURFACE CHOKE (in): _____
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.00
 MUD VISCOSITY (sec): 48
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 122 @ 4162.0 ft

TICKET NUMBER: 24559700
 DATE: 10-30-85 TEST NO: 2
 TYPE DST: OPEN HOLE
 HALLIBURTON CAMP: _____
 VERNAL _____
 TESTER: DOC MC MILLAN
 WITNESS: BILL STECKMAN
 DRILLING CONTRACTOR: _____
 SHELBY #11 _____

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES	
<u>MUD PIT</u>	<u>1.040 @ 68 °F</u>	<u>4700</u>	<u>ppm</u>
<u>SAMPLER</u>	<u>1.040 @ 68 °F</u>	<u>4700</u>	<u>ppm</u>
_____	_____ @ _____ °F	_____	_____ ppm
_____	_____ @ _____ °F	_____	_____ ppm
_____	_____ @ _____ °F	_____	_____ ppm
_____	_____ @ _____ °F	_____	_____ ppm

SAMPLER DATA

Psig AT SURFACE: 10.0
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: 2100.0
 TOTAL LIQUID cc: 2100.0

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

160 TO 180 FEET OF MUD

MEASURED FROM TESTER VALVE

REMARKS:

TOOLS SLID 12 TO 15 FEET TO BOTTOM.

THE CHARTS INDICATE PARTIAL PLUGGING OF THE ANCHOR PERFORATIONS DURING THE LAST HALF OF THE INITIAL FLOW PERIOD AND MORE INTENSELY THROUGHOUT THE FINAL FLOW PERIOD.

TICKET NO: 24559700
 CLOCK NO: 2797 HOUR: 12



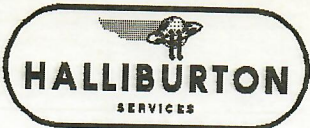
GAUGE NO: 8627
 DEPTH: 4105.0

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	63.5			
2	5.0	90.1	26.6		
3	10.0	91.6	1.5		
4	15.0	94.4	2.8		
C 5	21.0	96.3	1.9		
FIRST CLOSED-IN					
C 1	0.0	96.3			
2	4.0	473.6	377.4	3.4	0.795
3	8.0	878.2	781.9	5.8	0.559
4	12.0	1106.8	1010.5	7.6	0.438
5	16.0	1266.4	1170.2	9.1	0.363
6	20.0	1372.9	1276.7	10.2	0.311
7	24.0	1446.9	1350.6	11.2	0.273
8	28.0	1501.8	1405.6	12.0	0.242
9	32.0	1543.5	1447.3	12.7	0.219
10	36.0	1575.0	1478.7	13.2	0.199
11	40.0	1598.5	1502.2	13.8	0.183
12	44.0	1616.2	1519.9	14.2	0.169
13	48.0	1630.5	1534.2	14.6	0.157
14	52.0	1643.4	1547.1	14.9	0.147
15	56.0	1653.6	1557.3	15.3	0.138
D 16	60.6	1662.9	1566.7	15.6	0.129
SECOND FLOW					
E 1	0.0	108.3			
2	3.0	103.3	-5.0		
3	6.0	104.0	0.7		
4	9.0	103.7	-0.4		
5	12.0	104.0	0.4		
6	15.0	104.0	0.0		
7	18.0	104.6	0.6		
F 8	20.4	105.0	0.4		
SECOND CLOSED-IN					
F 1	0.0	105.0			
2	1.0	174.1	69.1	1.0	1.607
3	2.0	236.3	131.3	1.9	1.345
4	3.0	314.4	209.4	2.8	1.175
5	4.0	405.6	300.6	3.7	1.052
6	5.0	495.9	390.9	4.5	0.967
7	6.0	574.3	469.4	5.2	0.897
8	7.0	670.0	565.1	6.0	0.840
9	8.0	773.8	668.8	6.7	0.790
10	9.0	844.6	739.6	7.4	0.748
11	10.0	902.8	797.9	8.1	0.710

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
12	11.0	956.8	851.8	8.7	0.677
13	12.0	1012.7	907.7	9.3	0.648
14	13.0	1058.7	953.8	9.9	0.620
15	14.0	1102.3	997.3	10.5	0.596
16	15.0	1142.7	1037.7	11.0	0.574
G 17	16.4	1187.8	1082.8	11.7	0.546

REMARKS:

TICKET NO: 24559700
 CLOCK NO: 2418 HOUR: 12



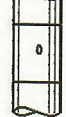














GAUGE NO: 8626
 DEPTH: 4163.0

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	127.7			
C 2	21.0	251.8	124.1		
FIRST CLOSED-IN					
C 1	0.0	251.8			
2	4.0	671.9	420.1	3.4	0.795
3	8.0	938.1	686.3	5.8	0.560
4	12.0	1129.1	877.3	7.6	0.439
5	16.0	1275.2	1023.4	9.1	0.363
6	20.0	1382.8	1131.0	10.2	0.312
7	24.0	1450.7	1198.9	11.2	0.272
8	28.0	1489.5	1237.8	12.0	0.243
9	32.0	1534.2	1282.4	12.7	0.219
10	36.0	1554.9	1303.1	13.3	0.199
11	40.0	1576.8	1325.0	13.7	0.183
12	44.0	1595.7	1344.0	14.2	0.169
13	48.0	1609.9	1358.1	14.6	0.157
14	52.0	1620.8	1369.1	14.9	0.147
15	56.0	1631.0	1379.2	15.2	0.138
D 16	60.6	1643.6	1391.8	15.6	0.129
SECOND FLOW					
E 1	0.0	383.6			
F 2	20.4	548.6	165.0		
SECOND CLOSED-IN					
F 1	0.0	548.6			
G 2	16.4	1088.1	539.4	11.7	0.546

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
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REMARKS:
 FLOW PERIODS AND SECOND CIP PERIOD NOT SEGMENTED DUE TO PLUGGING...ALSO,
 INITIAL CIP READINGS SHOULD BE CONSIDERED QUESTIONABLE DUE TO PLUGGING.

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3629.9	
3		DRILL COLLARS.....	6.250	2.375	367.9	
50		IMPACT REVERSING SUB.....	5.000	3.000	1.0	3999.0
3		DRILL COLLARS.....	6.250	2.375	92.7	
5		CROSSOVER.....	5.375	3.000	0.6	
13		DUAL CIP SAMPLER.....	5.000	0.750	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	4103.0
80		AP RUNNING CASE.....	5.000	2.250	4.1	4105.0
15		JAR.....	4.625	1.750	7.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	4122.0
18		DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70		OPEN HOLE PACKER.....	7.000	1.530	5.8	4130.0
20		FLUSH JOINT ANCHOR.....	5.750	3.500	30.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.5	4163.0
TOTAL DEPTH					4166.0	

EQUIPMENT DATA