

SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY



OPEN FILE ENVELOPE NO. 5650

PEL 5 AND PEL 6, PATCHAWARRA EAST BLOCK

EROMANGA AND COOPER BASINS

MOOLION 1

TEST REPORTS

Submitted by

Delhi Petroleum Pty Ltd

1985

SCANNED

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ENVELOPE 5650

TENEMENT: PEL 5 and PEL 6, Patchawarra East Block; Eromanga and Cooper Basins

TENEMENT HOLDER: Delhi Petroleum Pty Ltd (operator), Santos Ltd, Western Mining Corporation Pty Ltd, Vamgas Ltd and South Australian Oil and Gas Corporation Pty Ltd

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	Halliburton Services, 1985. Formation testing service report - DST 1 (8 January 1985).	5650 R 1 Pgs 3-12
	Halliburton Services, 1985. Formation testing service report - DST 2 (3 April 1985).	5650 R 2 Pgs 13-20
	Halliburton Services, 1985. Formation testing service report - DST 3 (11 January 1985).	5650 R 3 Pgs 21-27
	Halliburton Services, 1985. Formation testing service report - DST 4 (11 January 1985).	5650 R 4 Pgs 28-35
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	Halliburton Services, 1985. Formation testing service report - DST 6 (26 February 1985).	5650 R 6 Pgs 44-54
	Halliburton Services, 1985. Formation testing service report - DST 7 (14 January 1985).	5650 R 7 Pgs 55-64
	Halliburton Services, 1985. Formation testing service report - DST 8 (12 January 1985).	5650 R 8 Pgs 65-74
	Amdel Ltd, 1985. Total organic carbon and Rock-Eval pyrolysis data for 39 cuttings samples from Moolion no. 1.	5650 R 9 Pgs 75-91

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TICKET NO. 35720400
08-JAN-85
MOOMBA

FORMATION TESTING SERVICE REPORT

MOOLION		VEIL NO. 1		TEST NO. 1		8004.1 - 8026.1		DELHI/SANTOS	
LEASE NAME						TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION		SET A MARKS		FIELD AREA		COOPER BASIN		COUNTY SOUTH AUSTRALIA	
SEC. TOP. - RUG.								STATE AUSTRALIA SW/IC	

GAUGE NO: A568 DEPTH: 7960.0 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC					
B	INITIAL FIRST FLOW		239.6			
C	FINAL FIRST FLOW		538.3	5.0	5.8	F
C	INITIAL FIRST CLOSED-IN		538.3			
D	FINAL FIRST CLOSED-IN	524	548.7	30.0	28.9	C
E	INITIAL SECOND FLOW		548.7			
F	FINAL SECOND FLOW			180.0		F
F	INITIAL SECOND CLOSED-IN					
G	FINAL SECOND CLOSED-IN	2881		180.0		C
H	FINAL HYDROSTATIC		3842.6			

GAUGE NO: 7900 DEPTH: 7981.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3800	3795.0			
B	INITIAL FIRST FLOW	461	471.0			
C	FINAL FIRST FLOW	723	703.3	5.0	5.8	F
D	INITIAL FIRST CLOSED-IN	723	703.3			
E	FINAL FIRST CLOSED-IN	3481	3477.7	30.0	28.9	C
F	INITIAL SECOND FLOW	740	747.3			
G	FINAL SECOND FLOW	2275		180.0		F
H	INITIAL SECOND CLOSED-IN	2275				
I	FINAL SECOND CLOSED-IN			180.0		C
J	FINAL HYDROSTATIC	3770	3795.2			

GAUGE NO: 5689 DEPTH: 8023.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3868	3862.2			
B	INITIAL FIRST FLOW	529	539.4			
C	FINAL FIRST FLOW	805	792.1	5.0	5.8	F
D	INITIAL FIRST CLOSED-IN	805	792.1			
E	FINAL FIRST CLOSED-IN	3542	3537.4	30.0	28.9	C
F	INITIAL SECOND FLOW	844	850.1			
G	FINAL SECOND FLOW	3360	3358.5	180.0	175.7	F
H	INITIAL SECOND CLOSED-IN	3360	3358.5			
I	FINAL SECOND CLOSED-IN	3537	3538.9	180.0	184.7	C
J	FINAL HYDROSTATIC	3848	3868.5			

629
00007.

EQUIPMENT & HOLE DATA			TICKET NUMBER: 33720400		
FORMATION TESTED: <u>HUTTON</u>			DATE: <u>10-2-84</u> TEST NO: <u>1</u>		
NET PAY <u> </u>			TYPE DST: <u>OPEN HOLE</u>		
GROSS TESTED FOOTAGE: <u>22.0</u>			HALLIBURTON CAMP: <u>MOOMBA</u>		
ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>			TESTER: <u>BLATT</u>		
CASING PERFS. (ft): <u> </u>			WITNESS: <u>C. RODWELL</u>		
HOLE OR CASING SIZE (in): <u>8.500</u>			DRILLING CONTRACTOR: <u>S AND T #15</u>		
ELEVATION (ft): <u>146</u>					
TOTAL DEPTH (ft): <u>8026.0</u>					
PACKER DEPTH(S) (ft): <u>7996. 8004</u>					
FINAL SURFACE CHOKE (in): <u>0.500</u>					
BOTTOM HOLE CHOKE (in): <u>0.750</u>					
MUD WEIGHT (lb/gal): <u>9.30</u>					
MUD VISCOSITY (sec): <u>37</u>					
ESTIMATED HOLE TEMP. (°F): <u> </u>					
ACTUAL HOLE TEMP. (°F): <u>240 @ 8021.9 ft</u>					
FLUID PROPERTIES FOR RECOVERED MUD & WATER			SAMPLER DATA		
SOURCE	RESISTIVITY	CHLORIDES	Pstg AT SURFACE: <u> </u>		
FORMATION WATER	1.650 @ 80 °F	ppm	cu.ft. OF GAS: <u> </u>		
	@ °F	ppm	cc OF OIL: <u> </u>		
	@ °F	ppm	cc OF WATER: <u> </u>		
	@ °F	ppm	cc OF MUD: <u> </u>		
	@ °F	ppm	TOTAL LIQUID cc: <u> </u>		
	@ °F	ppm			
HYDROCARBON PROPERTIES			CUSHION DATA		
OIL GRAVITY (°API): <u> </u> @ <u> </u> °F			TYPE AMOUNT WEIGHT		
GAS/OIL RATIO (cu.ft. per bbl): <u> </u>			<u>WATER (FEET)</u> <u>466.0</u> <u>8.33</u>		
GAS GRAVITY: <u> </u>					
RECOVERED:			MEASURED FROM TESTER VALVE		
8 BARRELS OF OIL 6920 FEET OF FORMATION WATER					
REMARKS:					
LEGAL LOCATION: LATITUDE-27 DEGREES, 24', 36.3"; LONGITUDE-140 DEGREES, 12', 39.3".					
TEST DATE = OCTOBER 2, 1984.					
CLOCK STOPPED DURING THE FINAL FLOW PERIOD ON GAUGES 7900 AND 8568.					

CO
CU
BU

GAUGE NO: 8568
DEPTH: 7360.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	1.0	239.6									
C	1.0	539.3	298.7								
FIRST CLOSED-IN											
C	0.0	538.3									
(1)	20.0	548.7	10.4	4.8	0.079						
SECOND FLOW											
F	0.0	548.7									
	20.0	1457.3	908.6								
	40.0	2042.9	585.6								
	60.0	2459.0	416.1								
	80.0	2752.2	293.2								
	100.0	2957.7	205.5								
	120.0	2982.9	25.2								
F	NO DATA FOR THIS POINT										
SECOND CLOSED-IN											
F	NO DATA FOR THIS POINT										
G	NO DATA FOR THIS POINT										

LEGEND:
☒ CLOCK STOPPED
 REMARKS:

00010

 TICKET NO: 4400
 CLOCK NO: 1111 HOUR: 24

 GAUGE NO: 7900
 DEPTH: 7981.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	471.0									
	1.0	511.5	40.5								
	2.0	550.8	47.3								
4	3.0	594.6	39.7								
	4.0	639.2	44.7								
(	5.0	703.3	64.1								
FIRST CLOSED-IN											
	0.0	703.3									
	1.0	3079.6	2376.4	0.9	0.829						
	2.0	3221.9	2520.6	1.5	0.588						
4	3.0	3290.4	2587.1	2.0	0.468						
	4.0	3326.9	2623.6	2.3	0.391						
	5.0	3357.3	2654.1	2.7	0.333						
	6.0	3374.4	2671.1	2.9	0.292						
	7.0	3398.4	2685.1	3.2	0.261						
	8.0	3399.1	2695.9	3.4	0.235						
	9.1	3405.5	2702.2	3.5	0.214						
10	10.0	3409.6	2706.4	3.7	0.197						
11	12.0	3419.9	2716.6	3.9	0.170						
	14.0	3429.5	2726.3	4.1	0.150						
14	16.0	3437.2	2733.9	4.2	0.134						
15	18.0	3442.0	2738.7	4.4	0.121						
16	20.0	3446.8	2743.6	4.5	0.110						
17	22.0	3452.7	2749.5	4.6	0.101						
18	24.0	3458.6	2755.4	4.7	0.094						
19	26.0	3466.1	2762.8	4.7	0.087						
20	28.0	3474.4	2771.1	4.8	0.081						
U 21	28.9	3477.7	2774.4	4.8	0.079						
SECOND FLOW											
E	0.0	747.3									
2	20.0	1468.4	721.1								
3	40.0	1997.6	529.2								
(1) 4	55.2	2274.7	277.1								
F 5	NO DATA FOR THIS POINT										
SECOND CLOSED-IN											
F	1	NO DATA FOR THIS POINT									
G	2	NO DATA FOR THIS POINT									

 LEGEND:
☐ CLOCK STOPPED
 REMARKS:

00011

889

TICKET NO: 100400
CLOCK NO: HOUR: 24



GAUGE NO: 5689
DEPTH: 8023.0

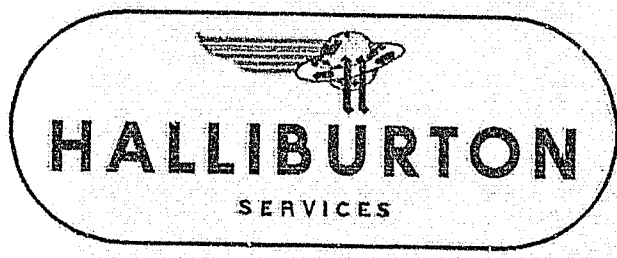
REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW						SECOND CLOSED-IN - CONTINUED					
B	0.0	539.4				4	3.0	3486.2	127.6	3.0	1.789
	1.0	568.5	29.1			5	4.0	3492.4	133.9	3.9	1.666
	2.0	620.1	51.6			6	5.0	3495.7	137.1	4.9	1.571
	3.0	653.0	42.9			7	6.0	3499.0	141.3	5.8	1.492
	4.0	727.4	64.3			8	7.0	3501.9	143.4	6.8	1.428
	5.0	792.1	64.3			9	8.0	3503.2	144.7	7.6	1.375
FIRST CLOSED-IN						10	9.0	3504.1	145.6	8.6	1.325
	0.0	792.1				11	10.0	3506.3	147.7	9.5	1.280
	1.0	2770.5	1978.4	0.9	0.830	12	12.0	3508.2	149.7	11.3	1.206
	2.0	3166.3	2374.2	1.5	0.584	13	14.0	3510.8	152.3	13.0	1.144
	3.0	3297.4	2505.3	2.0	0.463	14	16.0	3512.1	153.6	14.7	1.092
	4.0	3358.5	2566.4	2.4	0.389	15	18.0	3514.0	155.5	16.3	1.045
	5.0	3390.5	2598.4	2.7	0.334	16	20.0	3514.5	155.9	18.0	1.003
	6.0	3418.4	2626.2	2.9	0.293	17	22.0	3516.2	157.7	19.6	0.966
	7.0	3440.4	2648.3	3.2	0.261	18	24.0	3517.3	159.7	21.2	0.932
	8.0	3458.1	2666.0	3.3	0.237	19	26.0	3518.6	160.0	22.7	0.902
	9.0	3471.7	2679.6	3.5	0.216	20	28.0	3518.6	160.0	24.2	0.874
	10.0	3481.4	2689.3	3.7	0.197	21	30.0	3518.6	160.0	25.8	0.848
	12.0	3494.6	2702.5	3.9	0.170	22	35.0	3520.5	162.0	29.4	0.791
	14.0	3507.5	2715.4	4.1	0.150	23	40.0	3522.5	163.9	32.8	0.743
	16.0	3516.8	2724.7	4.2	0.133	24	45.0	3523.5	165.0	36.1	0.702
	18.0	3522.5	2730.3	4.4	0.121	25	50.0	3524.8	166.3	39.2	0.665
	20.0	3526.8	2734.7	4.5	0.110	26	55.0	3525.7	167.2	42.2	0.634
	22.0	3530.9	2738.8	4.6	0.101	27	60.0	3526.6	168.0	45.1	0.605
	24.0	3533.3	2741.1	4.7	0.093	28	70.0	3528.1	169.5	50.5	0.555
	26.0	3536.1	2743.9	4.7	0.087	29	80.0	3530.0	171.5	55.5	0.514
	28.0	3537.1	2745.0	4.8	0.081	30	90.0	3531.5	173.0	60.1	0.480
D	26.9	3537.4	2745.2	4.8	0.079	31	100.0	3532.4	173.9	64.5	0.449
SECOND FLOW						32	110.0	3533.3	174.7	68.5	0.423
E	0.0	650.1				33	120.0	3534.8	176.2	72.2	0.400
	20.0	1521.1	871.0			34	135.0	3534.8	178.2	77.4	0.370
	40.0	2037.7	516.6			35	150.0	3535.9	177.3	82.1	0.344
	60.0	2438.6	400.9			36	165.0	3536.9	178.4	86.4	0.322
	80.0	2727.6	289.0			G	184.7	3538.9	180.3	91.5	0.297
	100.0	2947.4	219.0								
	120.0	3112.1	164.7								
	140.0	3225.5	113.4								
	160.0	3311.0	85.5								
F	175.7	3358.5	47.5								
SECOND CLOSED-IN											
F	0.0	3358.5									
	1.0	3467.0	108.4	1.0	2.274						
	2.0	3480.8	122.2	2.0	1.958						

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH
1		DRILL PIPE.....	5.000	4.276	7322.1
4		FLEX WEIGHT.....	5.000	3.340	181.6
1		DRILL COLLARS.....	6.000	2.875	401.8
51		PUMP OUT REVERSING SUB.....	6.000	3.000	1.0
					7694.0
3		DRILL COLLARS.....	6.000	2.875	31.0
10		IMPP REVERSING SUB.....	6.000	3.000	1.0
					7926.0
1		DRILL COLLARS.....	6.000	2.875	31.0
5		CROSSOVER.....	5.750	1.500	1.0
80		AP RUNNING CASE.....	5.000	2.250	4.1
					7960.0
5		CROSSOVER.....	5.000	2.200	1.0
12		DUAL CIP VALVE.....	5.000	0.870	4.9
47		SAMPLE CHAMBER.....		5.000	2.5
					4.9
33		DRAIN VALVE.....	5.000	2.200	0.9
60		HYDROSPRING TESTER.....	5.000	0.750	5.3
					7979.0
80		AP RUNNING CASE.....	5.000	2.250	4.1
					7981.0
15		JAR.....	5.000	1.750	5.0
16		VR SAFETY JOINT.....	5.000	1.000	2.8
70		OPEN HOLE PACKER.....	5.000	1.660	5.9
					7996.0
18		DISTRIBUTOR VALVE.....	5.000	1.660	2.0
70		OPEN HOLE PACKER.....	5.000	1.660	5.9
					8004.0
19		ANCHOR PIPE SAFETY JOINT.....	5.000	1.500	4.3
20		FLUSH JOINT ANCHOR.....	5.000	2.370	12.0
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1
					8023.0
TOTAL DEPTH					8026.0
EQUIPMENT DATA					

590

00013



TICKET NO. 32946100
03-APR-85
MOOMBA

FORMATION TESTING SERVICE REPORT

MOD. ION		1		2		9104.1 - 9169.1		DELHI/SANTOS	
LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RANG.		SEE REMARKS		FIELD AREA		COOPER BASIN		COUNTY SOUTH AUSTRALIA STATE AUSTRALIA RC	

00014 990

GAUGE NO: 8568 DEPTH: 9060.2 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC					
B	FINAL HYDROSTATIC					

GAUGE NO: 7900 DEPTH: 9081.2 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
11	INITIAL HYDROSTATIC	4306				
12	FINAL HYDROSTATIC	4319				

00016

GAUGE NO: 5689 DEPTH: 9166.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4400				
B	FINAL HYDROSTATIC	4379				

00017

EQUIPMENT & HOLE DATA			TICKET NUMBER: 32946100																																			
FORMATION TESTED: <u>ICOLACHEE</u>			DATE: <u>10-8-84</u> TEST NO: <u>2</u>																																			
NET PAY: <u>12.0</u>			TYPE TEST: <u>OPEN HOLE</u>																																			
GROSS TESTED FOOTAGE: <u>64.5</u>			HALLIBURTON CAMP: <u>MOOMBA</u>																																			
ALL DEPTHS MEASURED FROM: <u>KB</u>			TESTER: <u>P. BATES</u>																																			
CASING PERFS. (ft): <u> </u>			WITNESS: <u>F. HODGKIN</u>																																			
HOLE OR CASING SIZE (in): <u>8.500</u>			DRILLING CONTRACTOR: <u>S AND T RIG #16</u>																																			
ELEVATION (ft): <u>146.0</u>																																						
TOTAL DEPTH (ft): <u>9169.0</u>																																						
PACKER DEPTH(S) (ft): <u>905 0.04</u>																																						
FINAL SURFACE CHOKE (in): <u>0.50000</u>																																						
BOTTOM HOLE CHOKE (in): <u>0.750</u>																																						
MUD WEIGHT (lb/gal): <u>9.20</u>																																						
MUD VISCOSITY (sec): <u>41</u>																																						
ESTIMATED HOLE TEMP. (°F): <u> </u>																																						
ACTUAL HOLE TEMP. (°F): <u>242 @ 9164.9 ft</u>																																						
FLUID PROPERTIES FOR RECOVERED MUD & WATER <table border="1"> <thead> <tr> <th>SOURCE</th> <th>RESISTIVITY</th> <th>CHLORIDES</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> </tbody> </table>			SOURCE	RESISTIVITY	CHLORIDES	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	SAMPLER DATA <table border="1"> <tbody> <tr><td>Pstg AT SURFACE:</td><td>_____</td></tr> <tr><td>cu.ft. OF GAS:</td><td>_____</td></tr> <tr><td>cc OF OIL:</td><td>_____</td></tr> <tr><td>cc OF WATER:</td><td>_____</td></tr> <tr><td>cc OF MUD:</td><td>_____</td></tr> <tr><td>TOTAL LIQUID cc:</td><td>_____</td></tr> </tbody> </table>			Pstg AT SURFACE:	_____	cu.ft. OF GAS:	_____	cc OF OIL:	_____	cc OF WATER:	_____	cc OF MUD:	_____	TOTAL LIQUID cc:	_____
SOURCE	RESISTIVITY	CHLORIDES																																				
_____	_____ °F	_____ ppm																																				
_____	_____ °F	_____ ppm																																				
_____	_____ °F	_____ ppm																																				
_____	_____ °F	_____ ppm																																				
_____	_____ °F	_____ ppm																																				
_____	_____ °F	_____ ppm																																				
Pstg AT SURFACE:	_____																																					
cu.ft. OF GAS:	_____																																					
cc OF OIL:	_____																																					
cc OF WATER:	_____																																					
cc OF MUD:	_____																																					
TOTAL LIQUID cc:	_____																																					
HYDROCARBON PROPERTIES <table border="1"> <tbody> <tr><td>OIL GRAVITY (°API):</td><td>_____ °F</td></tr> <tr><td>GAS/OIL RATIO (cu.ft. per bbl):</td><td>_____</td></tr> <tr><td>GAS GRAVITY:</td><td>_____</td></tr> </tbody> </table>			OIL GRAVITY (°API):	_____ °F	GAS/OIL RATIO (cu.ft. per bbl):	_____	GAS GRAVITY:	_____	CUSHION DATA <table border="1"> <thead> <tr> <th>TYPE</th> <th>AMOUNT</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td><u>WATER (FT.)</u></td> <td><u>542.0</u></td> <td><u>8.34</u></td> </tr> </tbody> </table>			TYPE	AMOUNT	WEIGHT	<u>WATER (FT.)</u>	<u>542.0</u>	<u>8.34</u>																					
OIL GRAVITY (°API):	_____ °F																																					
GAS/OIL RATIO (cu.ft. per bbl):	_____																																					
GAS GRAVITY:	_____																																					
TYPE	AMOUNT	WEIGHT																																				
<u>WATER (FT.)</u>	<u>542.0</u>	<u>8.34</u>																																				
RECOVERED:			MEASURED FROM TESTER VALVE																																			
REMARKS: MISRUN.....PIPE STUCK ABOVE THE TOOLS AS THE PACKERS WERE BEING SET. DID NOT REALIZE THIS UNTIL TRIED TO ROTATE TOOLS AND LATER TRIED TO PULL FREE. CHARTS WERE LOST.....NOT SENT FOR PROCESSING. TEST DATA WAS 8-OCT.-1984. LEGAL LOCATION = LAT. 27 DEGREES 24' 36.3" S AND LONG. 140 DEGREES 12' 39.3" E.																																						

00018

TYPE & SIZE MEASURING DEVICE: 6" CERAMIC CHOKE IN MANIFOLD					TICKET NO: 32946100
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
					STARTED PICKING UP TOOLS
					STARTED INTO HOLE. CHECKED FOR
					LEAKS EVERY 20 STANDS.
					MADE UP TEST HEAD
					TAGGED BOTTOM. STRING WEIGHT
					WAS 142,000H.
					SEALED PACKER AT 27,000H WITH
					6' STICKING UP. VERY WEAK BLOW
					TO SURFACE. HAD NO SURFACE
					INDICATION OF HYDROSPRING OPEN-
					ING AS WEIGHT WAS APPLIED TO
					THE PACKER.
					BLOW STOPPED
					CLOSED CHOKE. NO BLOW.
					NO BLOW. ATTEMPTED ROTATIONS TO
					CLOSE DCIP. TORQUED UP 5 TURNS.
					CLOSED IN MASTER VALVE
					PULLED UP TO 200,000H. ANNULUS
					DROPPED.
1420					PULLED UP TO 350,000H. NO MOVE-
					MENT.
1426					DROPPED REVERSE CIRCULATING
					VALVE
1430					ANNULUS DROPPED THEN STOPPED.
					INDICATING PLUGGING. UNABLE TO
					PRESSURE UP ON ANNULUS BECAUSE
					OF WEAK FORMATIONS.
1456					STARTED NORMAL CIRCULATION AT
					600 PSI WITH 360,000H STRAIN ON
					PIPE
1508					CIRCULATING AT 1,000 PSI WITH
					220,000H PULL AND 6.75 TURNS
					TORQUED UP ON PIPE
1517					RELIEVED TORQUE. CIRCULATED AT
					1,000 PSI AND WORKED PIPE FROM
					200,000H TO 360,000H.

Findings

[illegible]

00020

210

TICKET NO. 32946'00



	O.D.	I.D.	LENGTH	DEPTH
PIPE.....	5.000	4.276	8448.1	
PIPE WEIGHT.....	4.500	2.764	181.6	
PIPE JOINT.....	5.500	2.880	2.2	
PIPE COLLARS.....	6.250	2.880	372.1	
PIPE JOINT REVERSING SUB.....	6.000	3.000	1.0	8995.4
PIPE COLLARS.....	6.250	2.880	30.7	
PIPE JOINT REVERSING SUB.....	6.000	3.000	1.0	9027.2
PIPE COLLARS.....	6.250	2.880	30.3	
PIPE JOINT.....	5.750	1.120	1.0	
PIPE RUNNING CASE.....	5.000	2.250	4.1	9060.2
CROSSOVER.....	5.000	2.200	1.0	
PIPE JOINT VALVE.....	5.000	0.870	4.9	
PIPE JOINT CHAMBER.....	5.000	2.500	4.9	9072.0
DRAIN VALVE.....	5.000	2.200	0.9	
HYDROSPRING TESTER.....	5.000	0.750	5.9	9080.1
PIPE RUNNING CASE.....	5.000	2.250	4.1	9081.2
PIPE JOINT.....	5.000	1.750	5.0	
PIPE JOINT SAFETY JOINT.....	5.000	1.000	2.8	
OPEN HOLE PACKER.....	6.000	1.690	6.0	9096.5
DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
OPEN HOLE PACKER.....	6.000	1.680	6.0	9104.5
ANCHOR PIPE SAFETY JOINT.....	5.000	2.500	4.3	
CROSSOVER.....	6.000	2.500	1.0	
DRILL COLLARS.....	6.250	2.880	30.6	
CROSSOVER.....	6.000	2.500	1.0	
FLUSH JOINT ANCHOR.....	5.000	2.370	22.0	
BLANKED-OFF RUNNING CASE.....	5.000		4.1	9166.0
TOTAL DEPTH				9169.0

EQUIPMENT DATA

00021

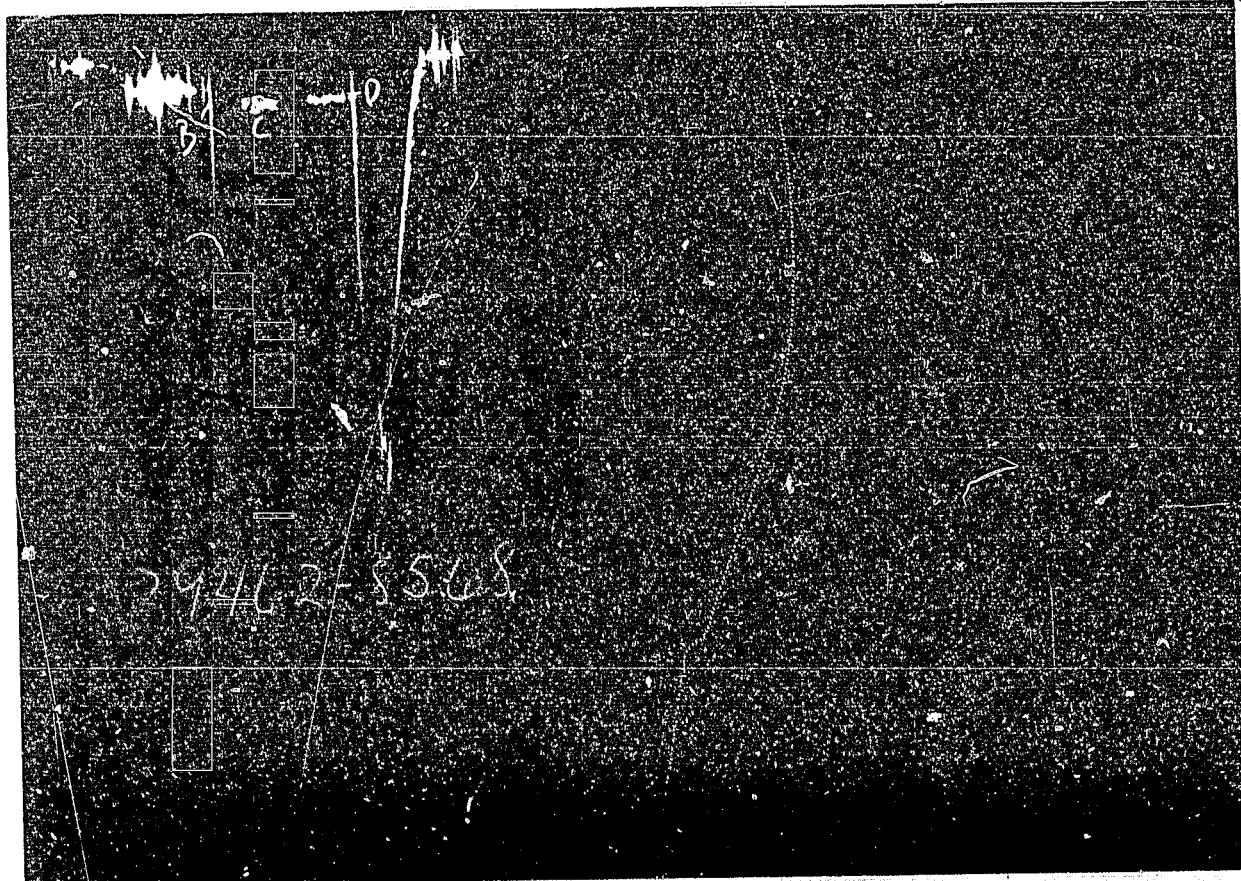


TICKET NO. 32946200
11-JAN-65
MOOMBA

MOOLION		WELL NO.	3	TESTED INTERVAL	9104.1 - 9109.1	DELHI/SANTOS
LEASE NAME		TEST NO.				LEASE OWNER/COMPANY NAME
LEGAL LOCATION	SEE REMARKS	FIELD AREA	COOPER BASIN	COUNTRY	SOUTH AUSTRALIA	STATE
SEC. - TWP. - RANG.					AUSTRALIA	BC

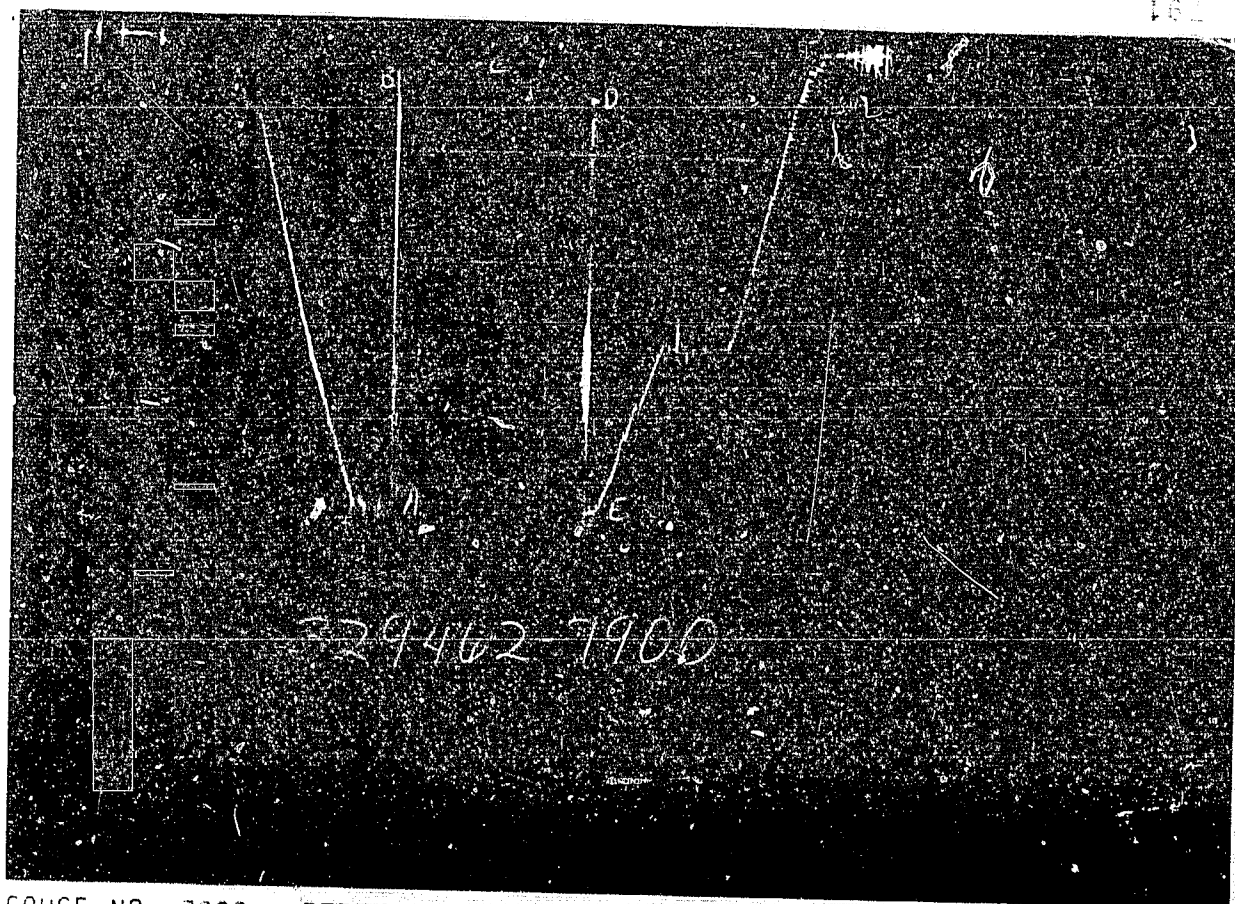
FORMATION TESTING SERVICE REPORT

0022



GAUGE NO: 8568 DEPTH: 9060.2 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
..	INITIAL HYDROSTATIC					
1	INITIAL FIRST FLOW		332.2			
1	FINAL FIRST FLOW		356.6	122.0	122.0	F
1	INITIAL FIRST CLOSED-IN		356.6			
1	FINAL FIRST CLOSED-IN	356	355.1	123.0	123.0	C
1	FINAL HYDROSTATIC					



23

GAUGE NO: 7900 DEPTH: 9081.2 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
	INITIAL HYDROSTATIC	4253	4254.9			
	INITIAL FIRST FLOW	331	342.5			
	INITIAL FIRST FLOW	353	356.2	122.0	122.0	F
	INITIAL FIRST CLOSED-IN	353	356.2			
	INITIAL FIRST CLOSED-IN	466	469.5	123.0	123.0	C
	INITIAL HYDROSTATIC	4253	4275.4			

00024

GAUGE NO: 5689 DEPTH: 9166.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4353	4354.8			
B	INITIAL FIRST FLOW	407	403.9			
C	FINAL FIRST FLOW	398	393.7	122.0	122.0	F
D	INITIAL FIRST CLOSED-IN	398	393.7			
E	FINAL FIRST CLOSED-IN	508	511.4	123.0	123.0	C
F	FINAL HYDROSTATIC	4348	4359.6			

00025

EQUIPMENT & HOLE DATA			TICKET NUMBER: 32946200		
FORMATION TESTED: <u>TOOLACHEE</u>			DATE: <u>10-10-84</u> TEST NO: <u>3</u>		
NET PAY (ft): <u>12.0</u>			TYPE DST: <u>OPEN HOLE</u>		
GROSS TESTED FOOTAGE: <u>65.0</u>			HALLIBURTON CAMP: <u>MOOMBA</u>		
ALL DEPTHS MEASURED FROM: <u>KB</u>			TESTER: <u>BATES</u>		
CASING PERFS. (ft): <u></u>			WITNESS: <u>HODGKIN</u>		
HOLE OR CASING SIZE (in): <u>8.500</u>			DRILLING CONTRACTOR: <u>S AND T DRILLING COMPANY RIG #16</u>		
ELEVATION (ft): <u>146</u>					
TOTAL DEPTH (ft): <u>9169.0</u>					
PACKER DEPTH(S) (ft): <u>9096, 9104</u>					
FINAL SURFACE CHOKE (in): <u>0.500</u>					
BOTTOM HOLE CHOKE (in): <u>0.750</u>					
MUD WEIGHT (lb/gal): <u>9.20</u>					
MUD VISCOSITY (sec): <u>37</u>					
ESTIMATED HOLE TEMP. (°F): <u></u>					
ACTUAL HOLE TEMP. (°F): <u>240 @ 9164.9 ft</u>					
FLUID PROPERTIES FOR RECOVERED MUD & WATER					
SOURCE	RESISTIVITY	CHLORIDES			
	0 °F	ppm			
	0 °F	ppm			
	0 °F	ppm			
	0 °F	ppm			
	0 °F	ppm			
	0 °F	ppm			
HYDROCARBON PROPERTIES			SAMPLER DATA		
OIL GRAVITY (°API): <u>0</u> °F			Pstg AT SURFACE: <u></u>		
GAS/OIL RATIO (cu.ft. per bbl): <u></u>			cu.ft. OF GAS: <u></u>		
GAS GRAVITY: <u></u>			cc OF OIL: <u></u>		
			cc OF WATER: <u></u>		
			cc OF MUD: <u></u>		
			TOTAL LIQUID cc: <u></u>		
CUSHION DATA					
TYPE			AMOUNT		
WEIGHT					
WATER (ft.)			506.0		
			8.34		
RECOVERED:					
608' OF MUDDY WATER (CALCULATED FROM REVERSE CIRCULATING THROUGH IMPACT REVERSING SUB)					
453' OF WATER CUSHION ABOVE THE REVERSING SUB (THE 453' WAS INCLUDED IN THE 608')					
REMARKS:					
THIS TEST WAS CONDUCTED IN OCTOBER, 1984.					
GAS TO SURFACE AFTER 52 MINUTES, BUT RATE WAS TOO SMALL TO MEASURE.					
LEGAL LOCATION = LAT. 27 DEGREES 24' 36.3" SOUTH					
LONG. 140 DEGREES 12' 39.3" EAST.					

MEASURED FROM
TESTER VALVE

0002E

TYPE & SIZE MEASURING DEVICE:				6" CERAMIC CHOKE		TICKET NO: 32946200
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS	
13:44					STARTED PICKING UP THE TOOLS	
					RAN IN HOLE	
					MADE UP HEAD AND FILLED WATER CUSHION	
					TAGGED BOTTOM	
					SEATED THE PACKERS WITH 21,000#	
	.5				TOOL OPENED, VERY WEAK BLOW	
					DEAD, CLOSED CHOKE	
					WEAK BLOW	
					WEAK TO MODERATE BLOW	
					MODERATE TO STRONG BLOW	
	.5				SAME BLOW, OPENED CHOKE.	
	"				MODERATE BLOW	
14:07	"				WEAK TO MODERATE BLOW	
14:14	"				WEAK BLOW	
14:19	"				VERY WEAK BLOW	
14:30	"				SAME BLOW. GAS TO SURFACE.	
14:40					CLOSED TOOL WITH THE SAME BLOW	
14:43					CLOSED HYDROSPRING, PULLED FREE	
					5,000# OVER.	
14:50					MADE UP HEAD	
14:54					DROPPED REVERSING BAR	
14:55					COMMENCED REVERSE CIRCULATION	
14:58					COMPLETED REVERSING, BROKE DOWN HEAD.	
201.					PUMPED HEAVY WEIGHT PILL	
2055					STARTED BREAKING OUT THE TOOLS	
2400					FINISHED LAYING DOWN THE TOOLS	

00027 962

TICKET NO. 32946200

	O.D.	I.D.	LENGTH	DEPTH
DRILL PIPE.....	5.000	4.276	8616.2	
PIPE WEIGHT.....	5.000	3.000	181.6	
PIPE JOINT.....	6.500	2.880	2.2	
PIPE COLLARS.....	6.250	2.880	216.1	
PIPE REVERSING SUB.....	6.000	3.000	1.0	8995.0
PIPE COLLARS.....	6.250	2.880	30.7	
PIPE REVERSING SUB.....	6.000	3.000	1.0	9027.1
PIPE COLLARS.....	6.250	2.880	30.3	
PIPE JOINT.....	5.750	1.120	1.0	
PIPE RUNNING CASE.....	5.000	2.250	4.1	9060.0
PIPE JOINT.....	3.000	2.200	1.0	
PIPE JOINT VALVE.....	5.000	0.870	4.9	
PIPE CHAMBER.....	5.000	2.500	4.9	9071.0
PIPE VALVE.....	5.000	2.200	0.9	
PIPE SPRING TESTER.....	5.000	0.750	5.3	9079.0
PIPE RUNNING CASE.....	5.000	2.250	4.1	9081.0
PIPE JOINT.....	5.000	1.750	5.0	
PIPE SAFETY JOINT.....	5.000	1.000	2.8	
OPEN HOLE PACKER.....	6.000	1.680	6.0	9096.0
DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
OPEN HOLE PACKER.....	6.000	1.680	6.0	9104.0
ANCHOR PIPE SAFETY JOINT.....	5.000	2.500	4.9	
CROSSOVER.....	6.000	2.500	1.0	
DRILL COLLARS.....	6.250	2.880	30.6	
CROSSOVER.....	6.000	2.500	1.0	
FLUSH JOINT ANCHOR.....	5.000	2.370	22.0	
BLANKED-OFF RUNNING CASE.....	5.000		4.1	9166.0
TOTAL DEPTH				9169.0

EQUIPMENT DATA

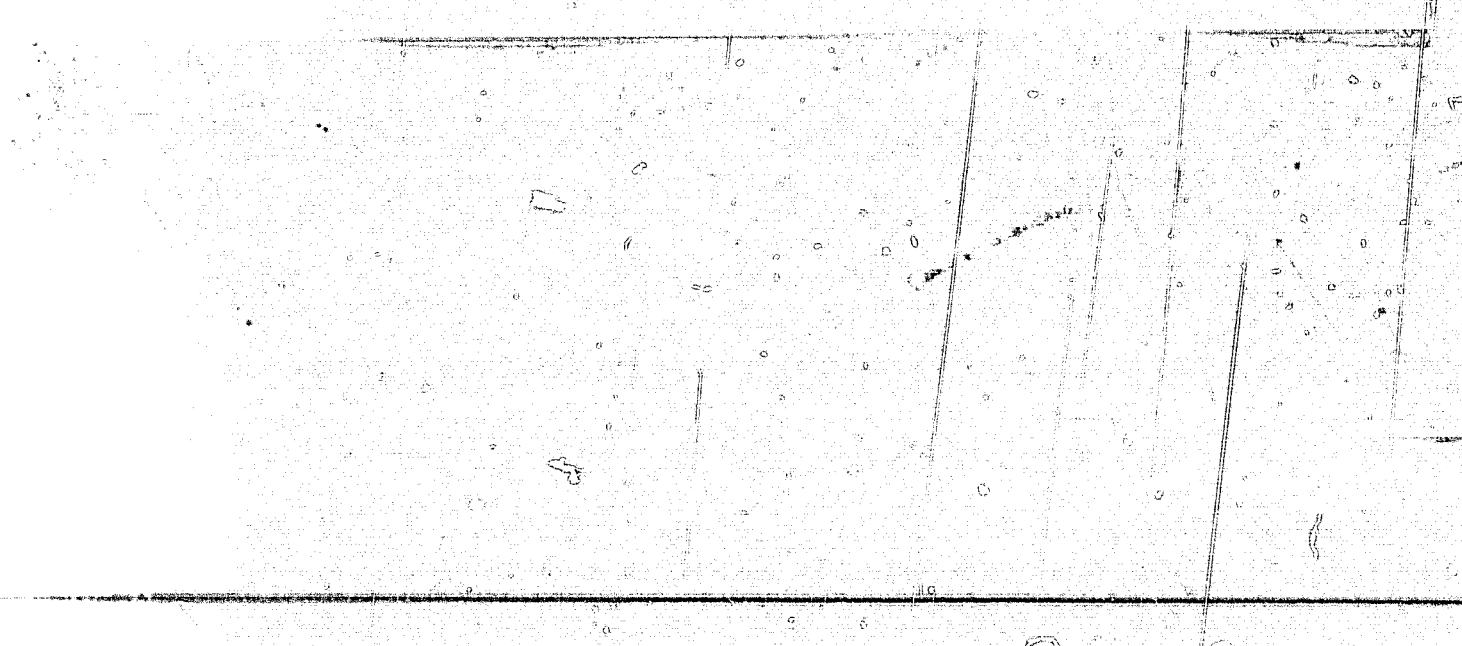
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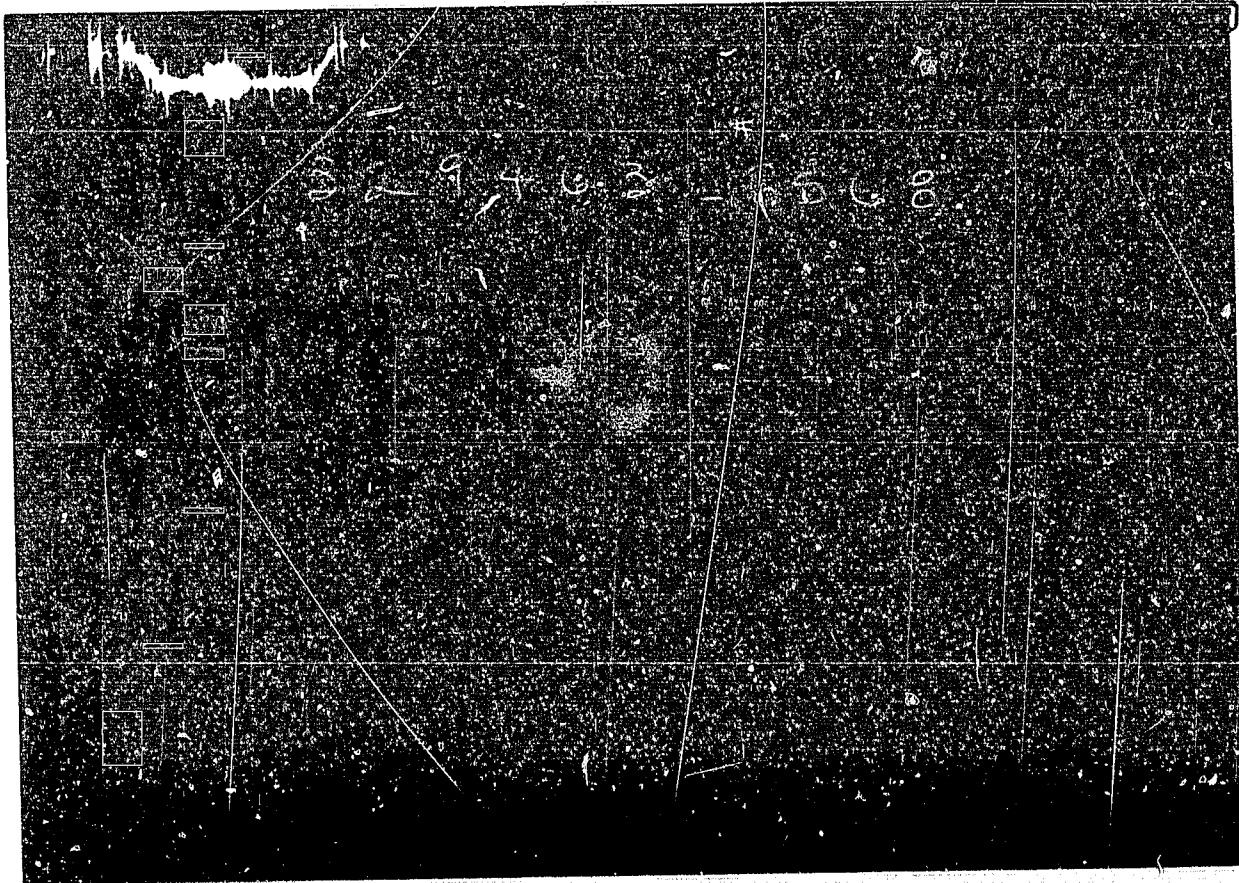


TICKET NO. 32946300
 11-JAN-85
 MOOMBA

MOOLION	1	4	TESTED INTERVAL	DELHI/SANTOS
LEASE NAME	VEIL NO.	TEST N°		LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - VP. - RING.	SEE REMARKS	FIELD AREA	COOPER BASIN	COUNTY SOUTH AUSTRALIA
				STATE AUSTRALIA BM-DR

FORMATION TESTING SERVICE REPORT

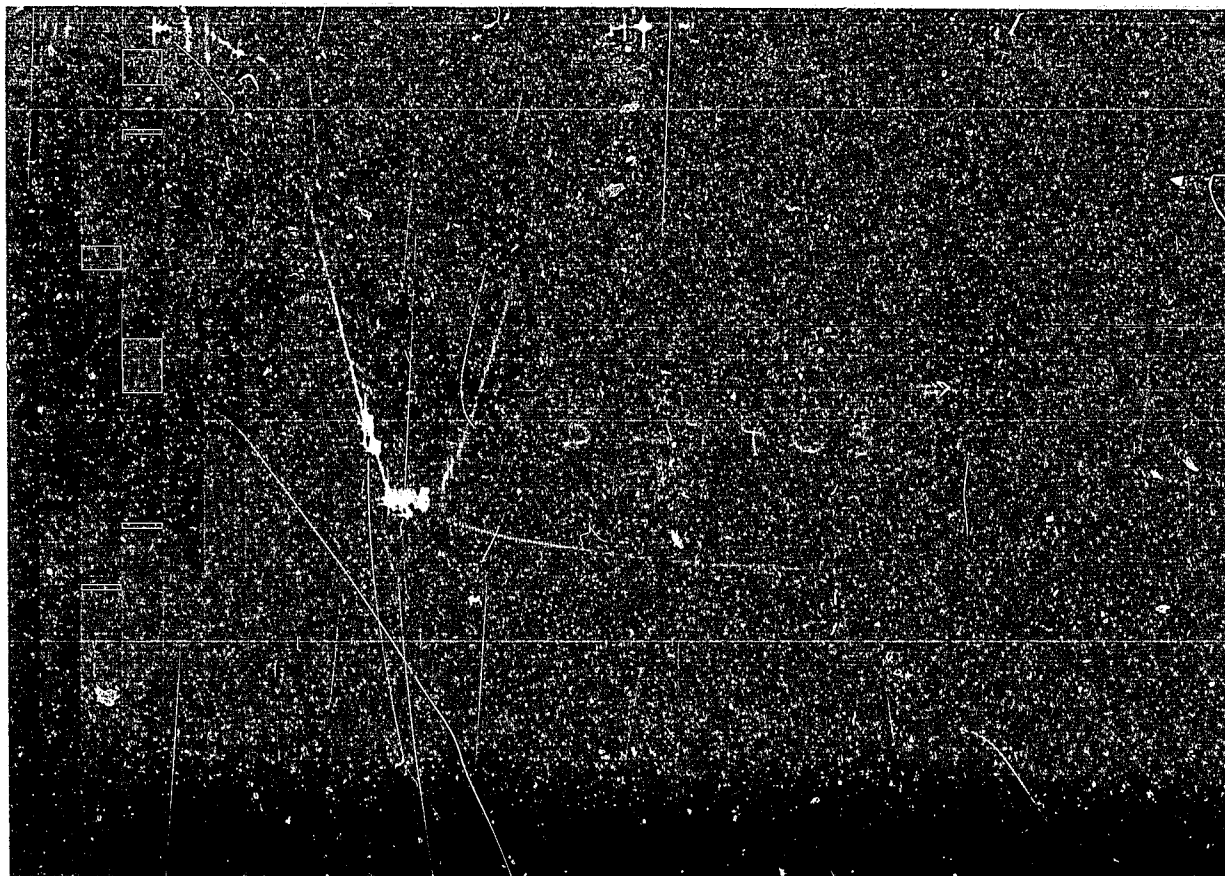




GAUGE NO: 8568 DEPTH: _____ BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	COULD NOT REACH BTM.					

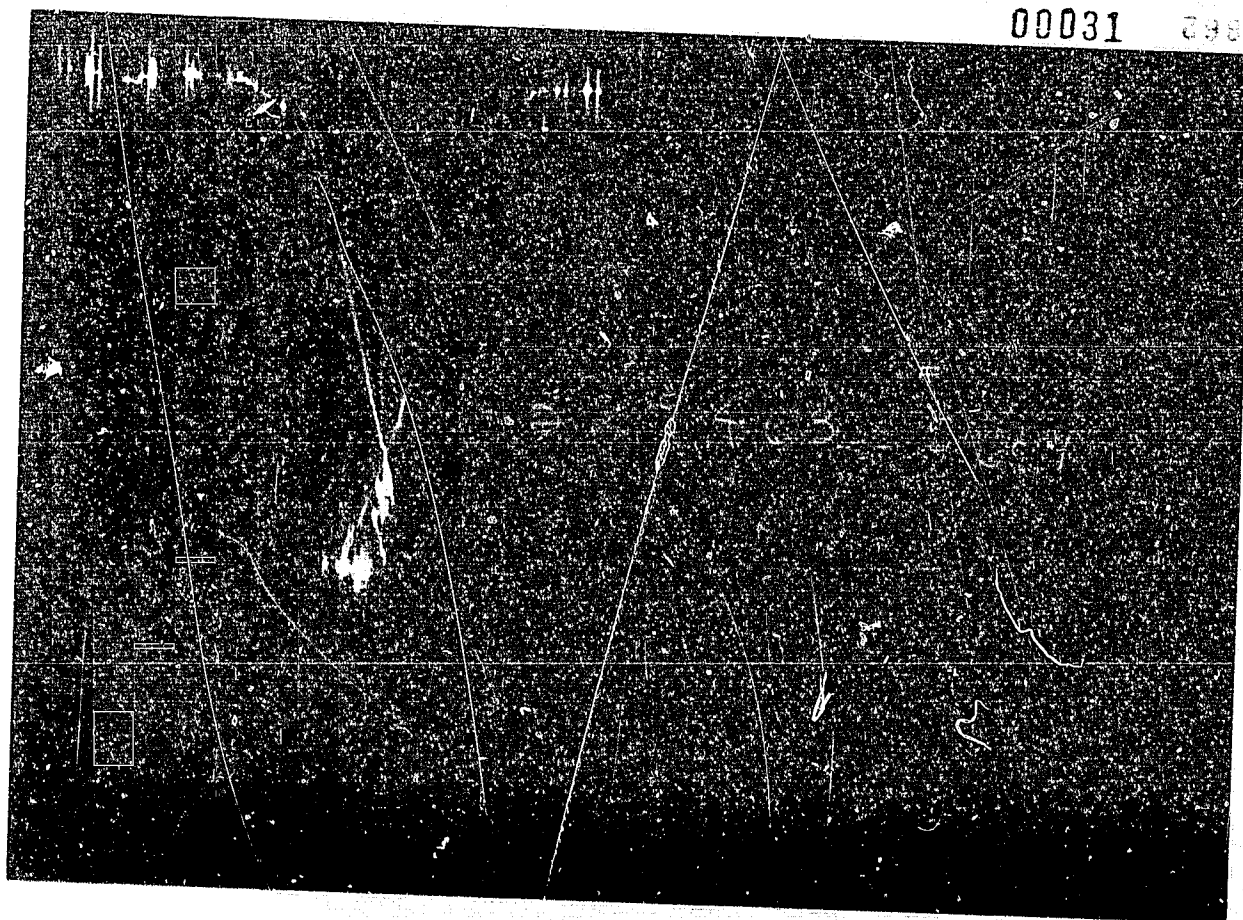
00030 100



GAUGE NO: 7900 DEPTH: _____ BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
..	COULD NOT REACH BTM.					

00031 298



GAUGE NO: 5689 DEPTH: _____ BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
11	COULD NOT REACH BTM.					

00032

EQUIPMENT & HOLE DATA			TICKET NUMBER: 32946300																							
FORMATION TESTED: <u>NAPPAMERRI</u>			DATE: <u>10-11-84</u> TEST NO: <u>4</u>																							
NET PAY (ft): _____			TYPE DST: <u>ON BTM. STRADDLE</u>																							
GROSS TESTED FOOTAGE: _____			HALLIBURTON CAMP: <u>MOONBA</u>																							
ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>			TESTER: <u>P. BATES</u>																							
CASING PERFS. (ft): _____			WITNESS: <u>F. HODGKINS</u>																							
HOLE OR CASING SIZE (in): <u>8.500</u>			DRILLING CONTRACTOR: <u>S & T RIG #16</u>																							
ELEVATION (ft): <u>145</u>																										
TOTAL DEPTH (ft): <u>9169.0</u>																										
PACKER DEPTH(S) (ft): _____																										
FINAL SURFACE CHOKE (in): _____																										
BOTTOM HOLE CHOKE (in): _____																										
MUD WEIGHT (lb/gal): <u>9.00</u>																										
MUD VISCOSITY (sec): <u>37</u>																										
ESTIMATED HOLE TEMP. (°F): _____																										
ACTUAL HOLE TEMP. (°F): <u>225 @ 8907.0 ft</u>																										
FLUID PROPERTIES FOR RECOVERED MUD & WATER <table border="1"> <thead> <tr> <th>SOURCE</th> <th>RESISTIVITY</th> <th>CHLORIDES</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> </tbody> </table>			SOURCE	RESISTIVITY	CHLORIDES	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	SAMPLER DATA Psig AT SURFACE: _____ cu.ft. OF GAS: _____ cc OF OIL: _____ cc OF WATER: _____ cc OF MUD: _____ TOTAL LIQUID cc: _____		
SOURCE	RESISTIVITY	CHLORIDES																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
HYDROCARBON PROPERTIES OIL GRAVITY (°API): _____ °F GAS/OIL RATIO (cu.ft. per bbl): _____ GAS GRAVITY: _____			CUSHION DATA <table border="1"> <thead> <tr> <th>TYPE</th> <th>AMOUNT</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td><u>WATER (FT.)</u></td> <td><u>685.0</u></td> <td><u>8.34</u></td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>			TYPE	AMOUNT	WEIGHT	<u>WATER (FT.)</u>	<u>685.0</u>	<u>8.34</u>	_____	_____	_____												
TYPE	AMOUNT	WEIGHT																								
<u>WATER (FT.)</u>	<u>685.0</u>	<u>8.34</u>																								
_____	_____	_____																								
RECOVERED: MEASURED FROM TESTER VALVE																										
REMARKS: THIS TEST WAS CONDUCTED IN OCTOBER LEGAL LOCATION: LAT. 27 DEGREES 24' 36.3" S, LONG. 140 DEGREES 12' 39.3"E GAUGE DATA OR CHART FOR GAUGE CASE RUN ON BOTTOM WAS NOT SUPPLIED FOR PROCESSING. MISRUN-COULD NOT REACH BOTTOM-ATTEMPTED TO TEST FROM 8860'-8975'																										

0000

[illegible]

	O.D.	I.D.	LENGTH	DEPTH
1	5.000	4.276		
4	5.000	3.000	599.8	
1	6.000	3.000	1.0	
1	5.000	3.000	30.9	
1	6.000	3.000	1.0	
1	5.000	3.000	30.4	
1	5.750	1.120	1.0	
1	5.100	2.250	4.1	
1	5.000	2.200	1.0	
1	5.000	0.870	4.9	
1	5.000	2.500	4.9	
1	5.000	2.200	0.9	
1	5.000	0.750	5.3	
1	5.000	2.250	4.1	
1	5.000	1.750	5.0	
1	5.000	1.000	2.8	
1	4.870	3.000	1.0	
70	6.000	1.680	6.0	
18	5.000	1.680	2.0	
70	6.000	1.680	6.0	
70	5.000	2.370	12.0	
17	4.620	2.750	1.0	
40	5.000	2.250	4.1	
1	4.610	2.180	0.7	
1	6.000	2.500	1.0	
4	6.250	2.880	91.7	
1	6.000	2.400	0.9	
1	5.000	3.000	0.7	
70	6.000	1.680	6.0	
18	5.000	1.680	2.0	

CONTINUED

EQUIPMENT DATA

		O.D.	I.D.	LENGTH	DEPTH
1		OPEN HOLE PACKER.....	6.000	1.680	6.0
2		CROSSOVER.....	4.500	2.400	0.9
3		ANCHOR PIPE SAFETY JOINT.....	5.000	1.500	4.3
4		FLUSH JOINT ANCHOR.....	5.000	2.370	19.0
5		CROSSOVER.....	6.000	2.500	1.0
6		PICK WEIGHT.....	5.000	3.000	151.3
7		CROSSOVER.....	6.180	2.400	1.0
8		PLUGGED-OFF RUNNING CASE.....	5.000		4.1

TOTAL DEPTH

9169.0

EQUIPMENT DATA

00036



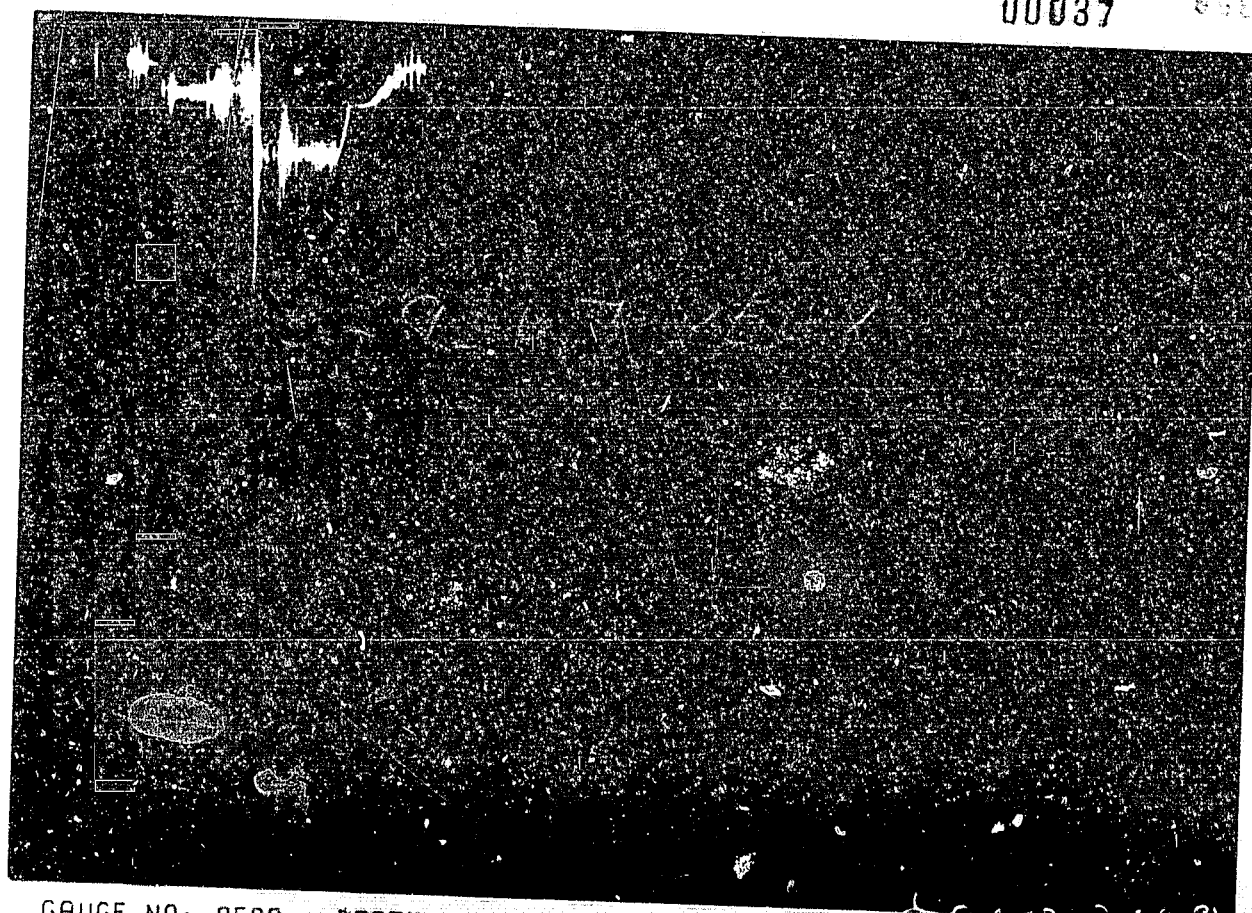
TICKET NO. 52936700
12-JAN-85
MOOMBA

FORMATION TESTING SERVICE REPORT

MOOLION	VEEL NO. 1	TEST NO. 5	8860.1 - 8975.0	DELHI SANTOS
LEASE NAME			TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION	SEE REMARKS	FIELD AREA	COOPER BASIN	COUNTY SOUTH AUSTRALIA
STC - TYP - RING				STATE AUSTRALIA SM

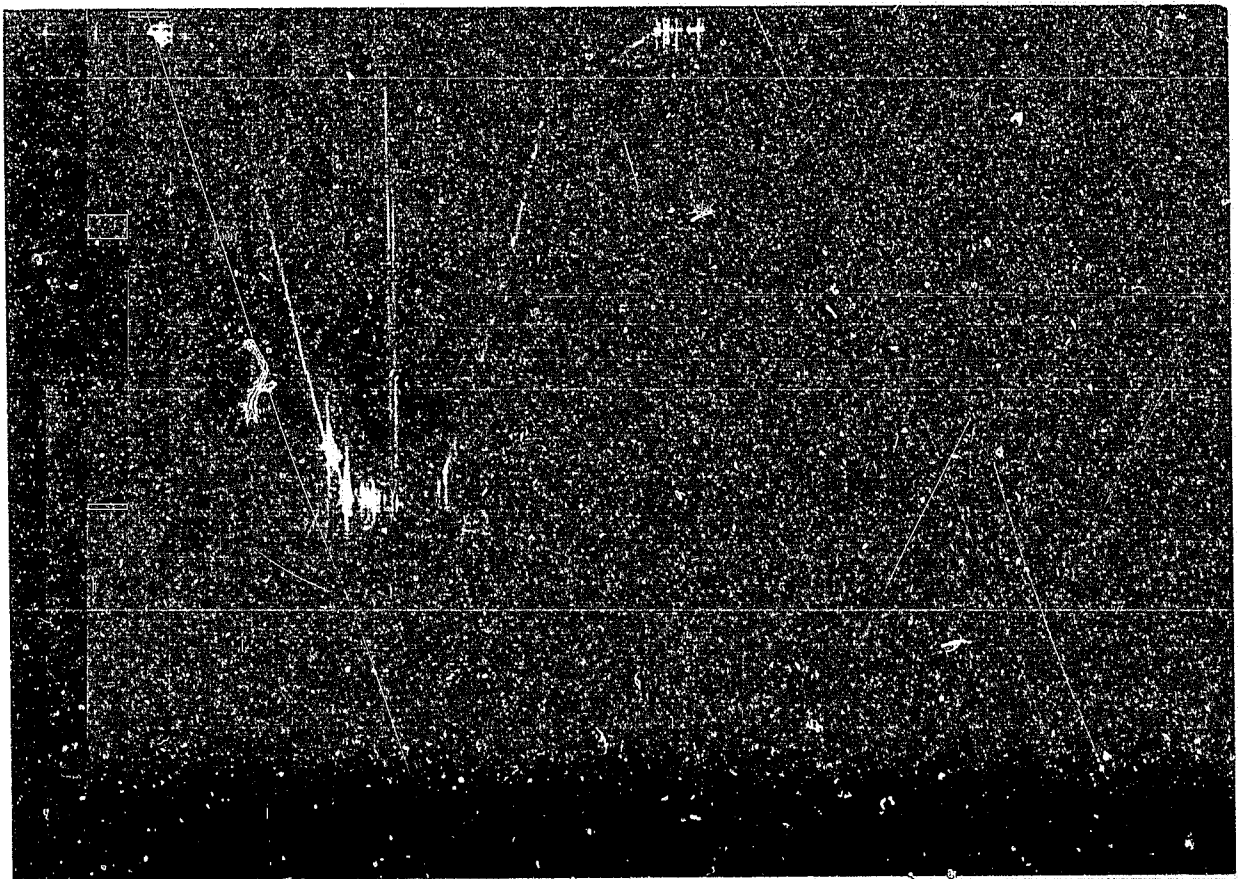
00037

888

GAUGE NO: 8568 DEPTH: 8815.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC					
2	FINAL HYDROSTATIC					

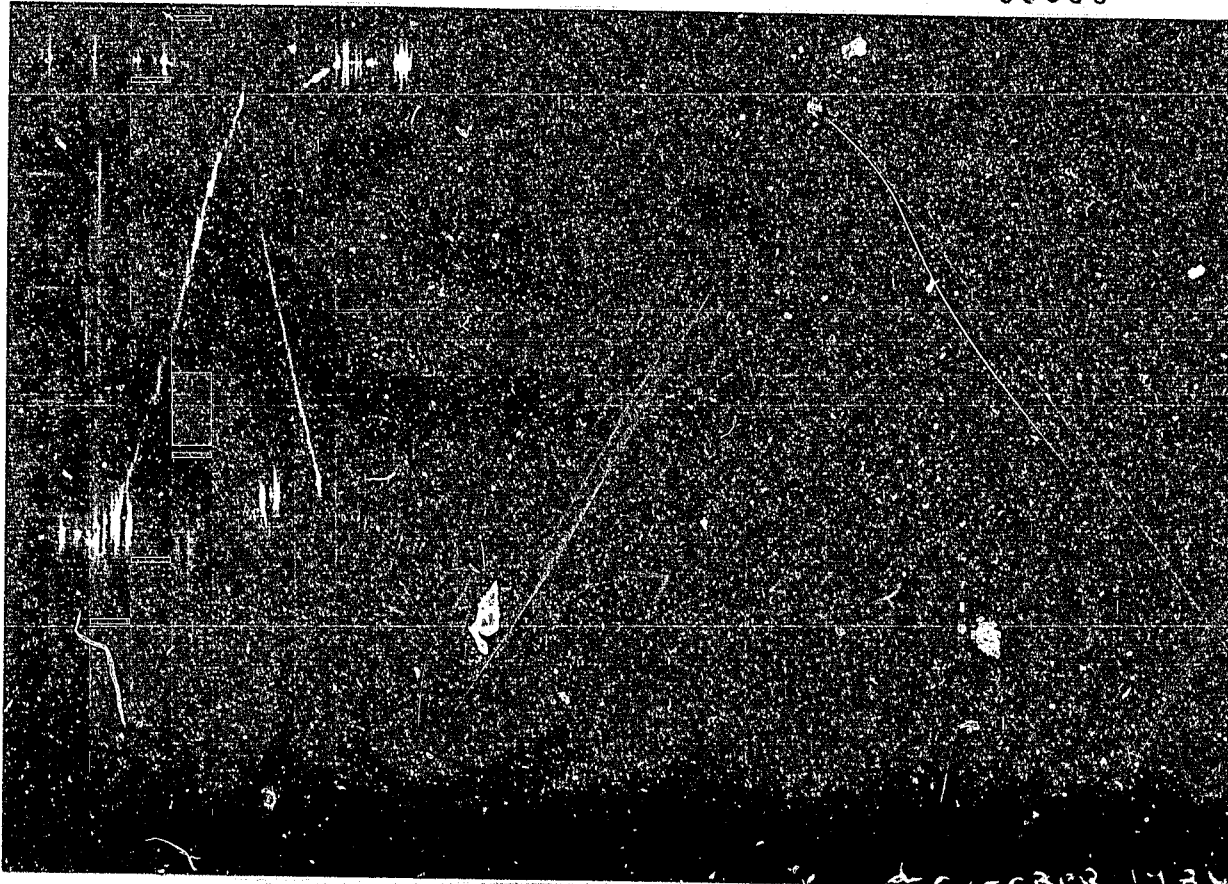
00033 638

GAUGE NO: 7900 DEPTH: 8836.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	3986	4201.8			
2	FINAL HYDROSTATIC		4139.1			

00039

088

GAUGE NO: 5689 DEPTH: 8875.0 BLANKED OFF: YES HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
..	INITIAL HYDROSTATIC	4197	4220.4			
..	FINAL HYDROSTATIC		4151.0			

EQUIPMENT & HOLE DATA			TICKET NUMBER: 32936700																							
FORMATION TESTED: NAPPAMERRI			DATE: 10-12-84 TEST NO: 5																							
NET PAY: _____			TYPE DST: ON BTM STRADDLE																							
GROSS TESTED FOOTAGE: 115.0			HALLIBURTON CAMP: MOOMBA																							
ALL DEPTHS MEASURED FROM: KELLY BUSHING			TESTER: D. BURT																							
CASING PERFS. (in): _____			WITNESS: FRED HUDGKIN																							
HOLE OR CASING SIZE (in): 8.500			DRILLING CONTRACTOR: S AND T RIG #16																							
ELEVATION (ft): 146																										
TOTAL DEPTH (ft): 9169.0																										
PACKER DEPTH(S) (ft): 8852, 8860, 8875, 8883																										
FINAL SURFACE CHOKE (in): 0.500																										
BOTTOM HOLE CHOKE (in): 0.750																										
MUD WEIGHT (lb/gal): 9.20																										
MUD VISCOSITY (sec): 38																										
ESTIMATED HOLE TEMP. (°F): 240																										
ACTUAL HOLE TEMP. (°F): 230 @ 9165.0 ft																										
FLUID PROPERTIES FOR RECOVERED MUD & WATER <table border="1"> <thead> <tr> <th>SOURCE</th> <th>RESISTIVITY</th> <th>CHLORIDES</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> <tr><td>_____</td><td>_____ °F</td><td>_____ ppm</td></tr> </tbody> </table>			SOURCE	RESISTIVITY	CHLORIDES	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	_____	_____ °F	_____ ppm	SAMPLER DATA Psig AT SURFACE: _____ cu.ft. OF GAS: _____ cc OF OIL: _____ cc OF WATER: _____ cc OF MUD: _____ TOTAL LIQUID cc: _____		
SOURCE	RESISTIVITY	CHLORIDES																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
_____	_____ °F	_____ ppm																								
HYDROCARBON PROPERTIES OIL GRAVITY (API): _____ °F GAS/OIL RATIO (cu.ft. per bbl): _____ GAS GRAVITY: _____			CUSHION DATA <table border="1"> <thead> <tr> <th>TYPE</th> <th>AMOUNT</th> <th>WEIGHT</th> </tr> </thead> <tbody> <tr> <td>WATER (FT)</td> <td>500.0</td> <td>8.34</td> </tr> </tbody> </table>			TYPE	AMOUNT	WEIGHT	WATER (FT)	500.0	8.34															
TYPE	AMOUNT	WEIGHT																								
WATER (FT)	500.0	8.34																								
RECOVERED: MEASURED FROM TESTER VALVE																										
REMARKS: THIS TEST WAS CONDUCTED IN OCTOBER. LOCATION IS LAT 27 DEGREES, 24', 36.3" S. AND LONG 140 DEGREES, 12', 38.3" WEST. GAUGE DATA OR CHART FROM GAUGE CASE RAN ON BOTTOM WAS NOT SUPPLIED FOR PROCESSING. LOST PACKER SEAT....MISRUN DUE TO HOLE CONDITIONS.																										

293

000

00042

E9E

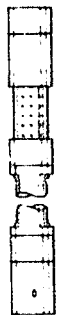
TICKET NO. 32936700

		O.D.	I.D.	LENGTH	DEPTH
	PIPE.....	5.000	4.276	8145.3	
4	PIPE WEIGHT.....	5.000	3.000	603.9	
	IMPACT REVERSING SUB.....	6.000	3.000	1.0	8749.0
4	PIPE WEIGHT.....	5.000	3.000	30.9	
	IMPACT REVERSING SUB.....	6.000	3.000	1.0	8781.0
4	PIPE WEIGHT.....	5.000	3.000	30.4	
	DRIVER.....	5.750	1.120	1.0	
	HP RUNNING CASE.....	5.000	2.250	4.1	8815.0
	CROSSOVER.....	5.000	2.200	1.0	
	DRAIN LIP VALVE.....	5.000	0.870	4.0	
	DRAIN VALVE.....	5.000	2.200	5.7	
	HYDROSPRING TESTER.....	5.000	0.750	5.3	8834.0
	HP RUNNING CASE.....	5.000	2.250	4.1	8836.0
15	DR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
17	PRESSURE EQUALIZING CROSSOVER...	4.870	3.000	1.0	
70	OPEN HOLE PACKER.....	6.000	1.530	6.0	8852.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70	OPEN HOLE PACKER.....	6.000	1.530	6.0	8860.0
21	PERFORATED TAIL PIPE.....	5.000	2.370	12.0	
5	CROSSOVER.....	4.620	2.750	1.0	
81	BLANKED-OFF RUNNING CASE.....	5.000	2.250	4.1	8875.0
5	CROSSOVER.....	4.610	2.180	0.7	
5	CROSSOVER.....	6.000	2.500	1.0	
3	DRILL COLLARS.....	6.250	2.880	91.7	
5	CROSSOVER.....	6.000	2.400	0.9	
5	CROSSOVER.....	5.000	3.000	0.7	
70	OPEN HOLE PACKER.....	6.000	1.530	6.0	8875.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70	OPEN HOLE PACKER.....	6.000	1.530	6.0	8883.0

CONTINUED

EQUIPMENT DATA

00043
TICKET NO. 32936700



	O.D.	I.D.	LENGTH	DEPTH
PIPE COVER.....	4.500	2.400	0.9	
PIPE SAFETY JOINT.....	5.000	1.500	4.3	
PIPE LINED PIPE.....	5.000	2.370	19.0	
PIPE COVER.....	6.000	2.500	1.0	
PIPE WEIGHT.....	5.000	3.000	151.3	
PIPE COVER.....	6.180	2.400	1.0	
PIPE LINED PIPE RUNNING CASE.....	5.000		4.1	9166.0

TOTAL DEPTH

9169.0

EQUIPMENT DATA

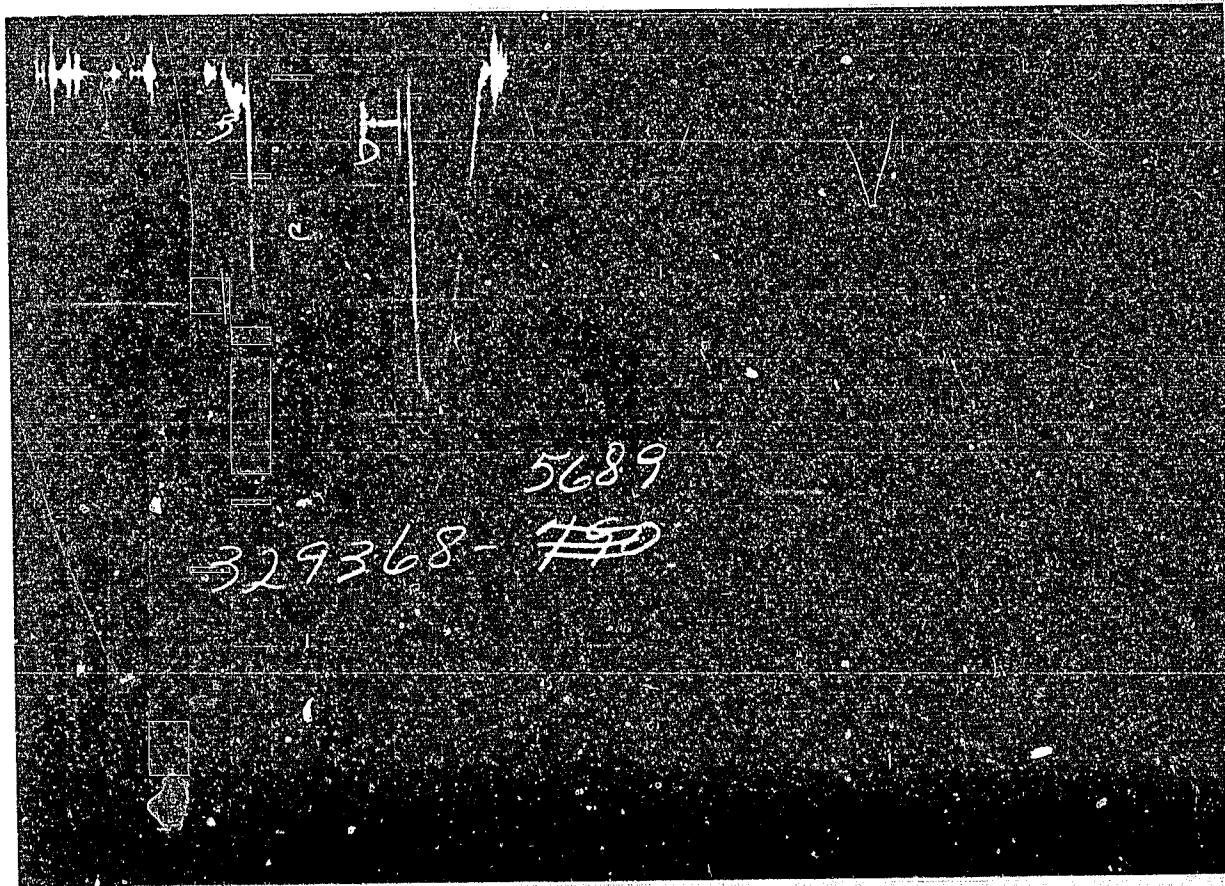
00044



TICKET NO. 92936800
26-FEB-85
MOOMBA

FORMATION TESTING SERVICE REPORT

MOOLION		1		6		9240.1 - 9317.1		DELHI/SANTOS	
LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RANG.		SEE REMARKS		FIELD AREA		COOPER BASIN		COUNTRY SOUTH AUSTRALIA STATE AUSTRALIA IC	



GAUGE NO: 5689 DEPTH: 9196.0 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC					
B	INITIAL FIRST FLOW		378.8			
C	FINAL FIRST FLOW		1212.9	57.0	97.7	F
D	INITIAL FIRST CLOSED-IN		1212.9			
E	FINAL FIRST CLOSED-IN	454	465.0	178.0	177.3	C
F	FINAL HYDROSTATIC					

00046



GAUGE NO: 7900 DEPTH: 9217.0 BLANKED OF NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	3985	4415.8			
2	INITIAL FIRST FLOW	524	558.8			
3	FINAL FIRST FLOW	1108	1206.5	97.0	97.7	F
4	INITIAL FIRST CLOSED-IN	1108	1206.5			
5	FINAL FIRST CLOSED-IN	3701	4010.8	178.0	177.3	C
6	FINAL HYDROSTATIC	3965	4902.9			

00047



GAUGE NO: 8568 DEPTH: 9314.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4196	4430.7			
B	INITIAL FIRST FLOW	717	922.5			
C	FINAL FIRST FLOW	1209	1262.2	97.0	97.7	F
C	INITIAL FIRST CLOSED-IN	1209	1262.2			
D	FINAL FIRST CLOSED-IN	3869	4026.8	178.0	177.3	C
E	FINAL HYDROSTATIC	4176	4331.7			

00043

EQUIPMENT & HOLE DATA

FORMATION TESTED: TOOLACHEE
 NET PAY: _____
 GROSS TESTED FOOTAGE: 77.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 8.500
 ELEVATION (ft): 146
 TOTAL DEPTH (ft): 9317.0
 PACKER DEPTH(S) (ft): 9232. 9240
 FINAL SURFACE CHOKE (in): 0.500
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.10
 MUD VISCOSITY (sec): 38
 ESTIMATED HOLE TEMP. (°F): 240
 ACTUAL HOLE TEMP. (°F): 245 @ 9313.0 ft

TICKET NUMBER: 32936800DATE: 10-14-81 TEST NO: 6TYPE DST: OPEN HOLEHALLIBURTON CAMP:
MOOMBATESTER: D. BURTWITNESS: FRED HODGKINDRILLING CONTRACTOR:
S AND T #16FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm

SAMPLER DATA

Psig 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
<u>WATER (FEET)</u>	<u>525.0</u>	<u>8.40</u>

RECOVERED:

MEASURED FROM
TESTER VALVE

REMARKS:

LEGAL LOCATION: LATITUDE-27 DEGREES, 24', 36.3"S; LONGITUDE-140 DEGREES, 12', 39.3"E.

TEST WAS CONDUCTED 14 OCTOBER, 1984.

CHARTS INDICATE PARTIAL PLUGGING OF THE ANCHOR PIPE PERFORATIONS DURING THE EARLY PORTION OF THE FLOW PERIOD.

00049

TYPE & SIZE MEASURING DEVICE: 6" CERAMIC CHOKE SURFACE MANIFOLD					TICKET NO: 32936800
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
10 12 84					
2130					LOADED BOTTOM B.T.
2145					LOADED TOP B.T.
2151					LOADED MIDDLE B.T.
2230					RAN IN HOLE
10 14 84					
0120					HEAD UP AND RIGGED MANIFOLD
0130					SET WEIGHT ON PACKERS
0528	.5	0			OPENED TOOL WITH A WEAK BLOW
					INCREASING TO MODERATE
0530	.5	10			MODERATE BLOW INCREASING TO
					STRONG
0542	.5	35			WATER CUSHION TO SURFACE
0535	.5	110			GAS TO SURFACE
0540	.5	260			
0545	.5	350			
0550	.5	420			
0555	.5	470			
0600	.5	500			
0605	.5	560			
0610	.5	600			
0615	.5	615			
0620	.5	640			
0625	.5	650			
0630	.5	680			
0635	.5	680			
0640	.5	690			
0645	.5	700			
0650	.5	700			
0655	.5	700			
0700	.5	700			
0705	.5	700	3800		CLOSED TOOL
1003					OPENED BYPASS AND PULLED FREE
1150					HEAD UP AND RIGGED MANIFOLD TO
					REVERSE CIRCULATE
1158					DROPPED BAR AND REVERSED
1250					RIGGED DOWN AND PULLED OUT OF

22

[illegible]

00051

TICKET NO: 2436800

CLOCK NO: 44 HOUR: 48

HALLIBURTON
SERVICES

GAUGE NO: 5689

DEPTH: 9196.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	378.8									
	10.0	551.0	172.2								
	20.0	746.4	195.4								
	30.0	884.0	137.6								
	40.0	990.4	106.3								
	50.0	1064.2	73.9								
	60.0	1122.6	58.4								
	70.0	1162.5	39.9								
	80.0	1187.9	25.4								
	90.0	1205.8	17.9								
C	97.7	1212.9	7.1								
FIRST CLOSED-IN											
C	0.0	1212.9									
D	177.3	465.0	-747.9	63.0	0.191						

REMARKS:

00032

TICKET NO: 4480800
CLOCK NO: 2547 HOUR: 24



GAUGE NO: 7900
DEPTH: 9217.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	558.8									
	10.0	618.3	59.5								
	20.0	756.6	138.3								
	30.0	882.6	125.9								
	40.0	981.5	98.9								
	50.0	1053.5	78.0								
	60.0	1114.8	55.3								
	70.0	1155.1	40.3								
	80.0	1181.9	26.8								
	90.0	1200.0	18.1								
C	97.7	1206.5	6.5								
FIRST CLOSED-IN											
C	0.0	1206.5									
	1.0	2271.4	1064.9	1.0	1.998						
	2.0	2733.0	1526.4	1.5	1.701						
	3.0	3037.0	1831.3	2.9	1.525						
	4.0	3174.4	1967.9	3.8	1.406						
	5.0	3295.4	2088.9	4.8	1.311						
	6.0	3362.1	2155.6	5.6	1.239						
	7.0	3417.3	2210.8	6.5	1.175						
	8.0	3461.1	2254.5	7.4	1.120						
	9.0	3495.8	2289.3	8.2	1.075						
	10.0	3526.7	2320.2	9.1	1.031						
	12.0	3572.4	2365.9	10.7	0.981						
	13.0	3614.7	2408.1	12.2	0.902						
	14.0	3644.2	2437.7	13.7	0.852						
	15.0	3672.9	2466.3	15.2	0.808						
	16.0	3696.3	2489.7	16.6	0.770						
	17.0	3717.1	2510.5	18.0	0.735						
	18.0	3733.7	2527.2	19.3	0.705						
	19.0	3753.4	2546.9	20.6	0.677						
	20.0	3769.1	2562.6	21.8	0.652						
	21.0	3782.3	2575.7	23.0	0.629						
	22.0	3810.3	2603.7	25.8	0.578						
	23.0	3834.4	2627.0	28.4	0.537						
	24.0	3854.5	2647.9	30.8	0.501						
	25.0	3872.0	2665.5	33.1	0.470						
	26.0	3888.0	2681.4	35.2	0.443						
	27.0	3900.2	2693.7	37.2	0.419						
	28.0	3920.4	2713.8	40.8	0.379						
	29.0	3936.3	2729.6	44.0	0.347						
	30.0	3951.2	2744.7	46.9	0.319						
	31.0	3961.3	2754.7	49.4	0.296						
	32.0	3971.3	2764.9	51.7	0.276						
	33.0	3979.2	2772.7	53.8	0.259						
	34.0	3988.4	2781.5	56.7	0.236						
	35.0	3998.2	2791.7	59.1	0.218						
	36.0	4005.9	2799.4	61.4	0.202						
D	37.0	4010.8	2804.2	63.0	0.191						

REMARKS:

00053

TICKET NO: 32936800

CLOCK NO: 16055 HOUR: 24



GAUGE NO: 8568

DEPTH: 9314.0

REF	MINUTES	PSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	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	922.5								
	2	10.0	816.7	-105.7							
	3	20.0	850.8	34.1							
	4	30.0	958.9	108.1							
	5	40.0	1048.2	89.3							
	6	50.0	1114.4	66.2							
	7	60.0	1169.3	55.0							
	8	70.0	1205.1	35.7							
	9	80.0	1231.3	26.2							
	10	90.0	1253.9	22.6							
C	11	97.7	1262.2	8.2							
FIRST CLOSED-IN											
C	1	0.0	1262.2								
	2	1.0	2653.5	1391.3	1.0	2.009					
	3	2.0	3007.2	1745.0	2.0	1.699					
	4	3.0	3191.1	1929.0	2.9	1.527					
	5	4.0	3306.1	2044.0	3.8	1.410					
	6	5.0	3377.4	2115.3	4.8	1.311					
	7	6.0	3441.6	2179.4	5.6	1.241					
	8	7.0	3490.9	2228.8	6.5	1.174					
	9	8.0	3527.2	2265.1	7.4	1.121					
	10	9.0	3551.1	2288.9	8.3	1.072					
	11	10.0	3575.9	2313.8	9.1	1.032					
	12	12.0	3623.4	2361.3	10.7	0.961					
	13	14.0	3656.8	2394.6	12.3	0.901					
	14	16.0	3690.3	2428.1	13.7	0.852					
	15	18.0	3717.1	2454.9	15.2	0.808					
	16	20.0	3736.5	2474.3	16.6	0.770					
	17	22.0	3756.5	2494.4	18.0	0.735					
	18	24.0	3773.4	2511.3	19.3	0.705					
	19	26.0	3788.6	2526.5	20.5	0.677					
	20	28.1	3801.9	2539.7	21.8	0.651					
	21	30.0	3814.3	2552.2	22.9	0.629					
	22	35.0	3838.8	2576.7	25.8	0.579					
	23	40.0	3859.5	2597.3	28.4	0.537					
	24	45.0	3880.2	2618.0	30.8	0.501					
	25	50.0	3896.2	2634.0	33.1	0.470					
	26	55.0	3906.5	2644.4	35.2	0.443					
	27	60.0	3915.2	2653.0	37.2	0.420					
	28	70.0	3933.8	2671.6	40.6	0.380					
	29	80.0	3955.5	2693.3	44.0	0.346					
	30	90.0	3976.6	2714.4	46.8	0.319					
	31	100.0	3991.6	2729.4	49.4	0.296					
	32	110.0	4003.2	2741.0	51.7	0.276					
	33	120.0	4011.8	2749.7	53.8	0.259					
	34	135.0	4012.5	2750.3	56.7	0.236					
	35	150.0	4018.4	2756.2	59.2	0.218					
	36	165.0	4020.3	2758.1	61.4	0.202					
D	37	177.3	4026.8	2764.7	63.0	0.191					

REMARKS:

00054

TICKET NO. 32936800

	O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	5.000	4.276	8688.3
2	WELL WEIGHT.....	5.000	3.340	184.1
3	DRILL COLLARS.....	6.250	2.880	278.6
4	PUMP OUT REVERSING SUB.....	6.000	3.000	1.0
5	DRILL COLLARS.....	6.250	2.880	30.3
6	IMPACT REVERSING SUB.....	6.000	3.000	1.0
7	DRILL COLLARS.....	6.250	2.880	30.6
8	CROSSOVER.....	5.750	2.250	1.0
9	HP RUNNING CASE.....	5.000	2.250	4.1
10	CROSSOVER.....	5.000	2.200	1.0
11	DOHL CIP VALVE.....	5.000	0.870	4.9
12	DRAIN VALVE.....	5.000	2.200	5.7
13	HYDROSPRING TESTER.....	5.000	0.750	3.3
14	HP RUNNING CASE.....	5.000	2.250	4.1
15	JDR.....	5.000	1.750	5.0
16	VR SAFETY JOINT.....	5.000	1.000	2.8
17	OPEN HOLE PACKER.....	6.000	1.530	6.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.0
19	OPEN HOLE PACKER.....	6.000	1.530	6.0
20	ANCHOR PIPE SAFETY JOINT.....	5.000	1.500	4.3
21	CROSSOVER.....	6.000	2.250	1.0
22	DRILL COLLARS.....	6.250	2.880	30.7
23	CROSSOVER.....	6.000	2.250	1.0
24	FLUSH JOINT ANCHOR.....	5.000	2.370	34.0
25	BLANKED-OFF RUNNING CASE.....	5.000		4.1
TOTAL DEPTH				9317.0

EQUIPMENT DATA

071

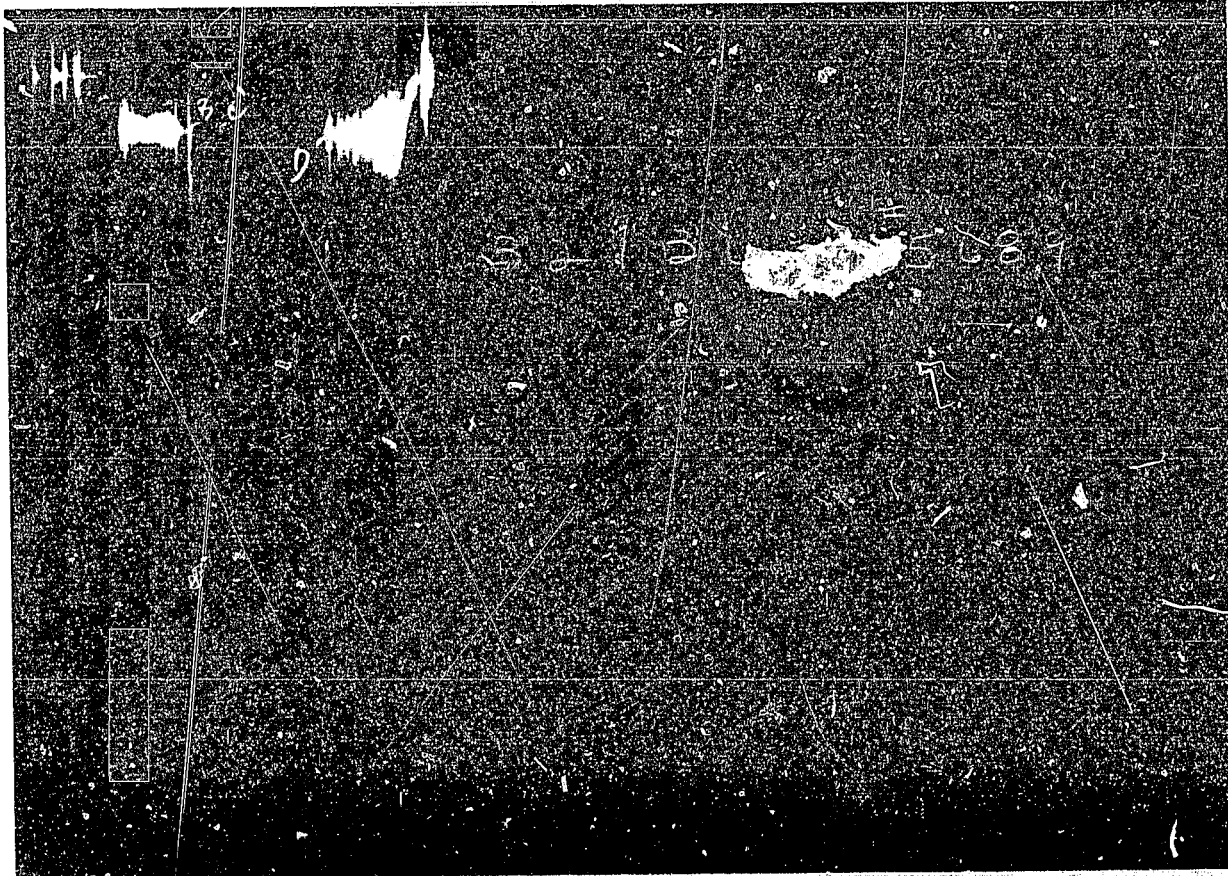
00055



TICKET NO. 32936900
14-JAN-85
MOOMBA

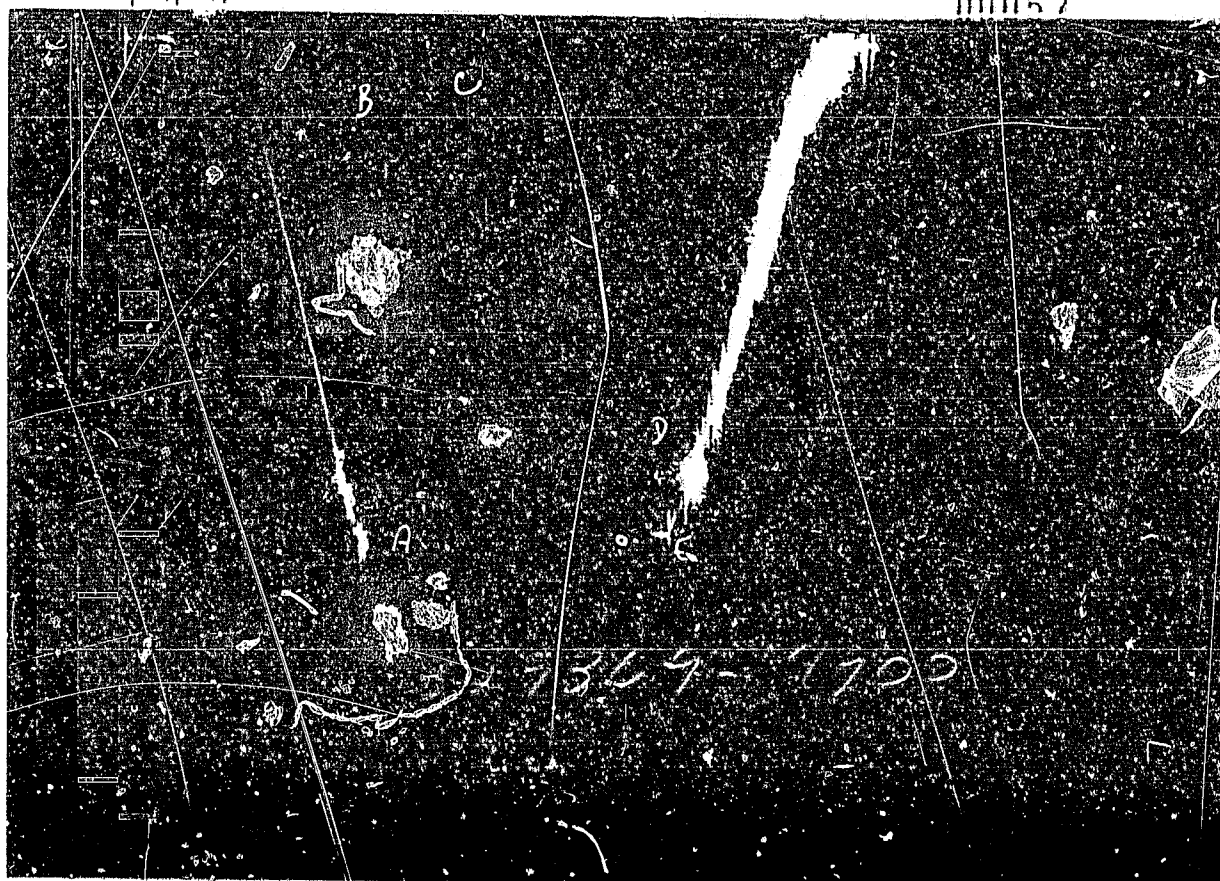
FORMATION TESTING SERVICE REPORT

MOOLION		WELL NO. 1		9524.1 - 9560.1		SANTOS, LIMITED	
LEASE NAME		WELL NO.		TESTER INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION		SEE REMARKS		FIELD AREA		COUNTY	
SEC. - TWP. - RING.				COOPER BASIN		SOUTH AUSTRALIA	
						STATE AUSTRALIA	
						NM/P	



GAUGE NO: 5689 DEPTH: 9480.0 BLANKED OFF: NO HOUR OF CLOCK: 48

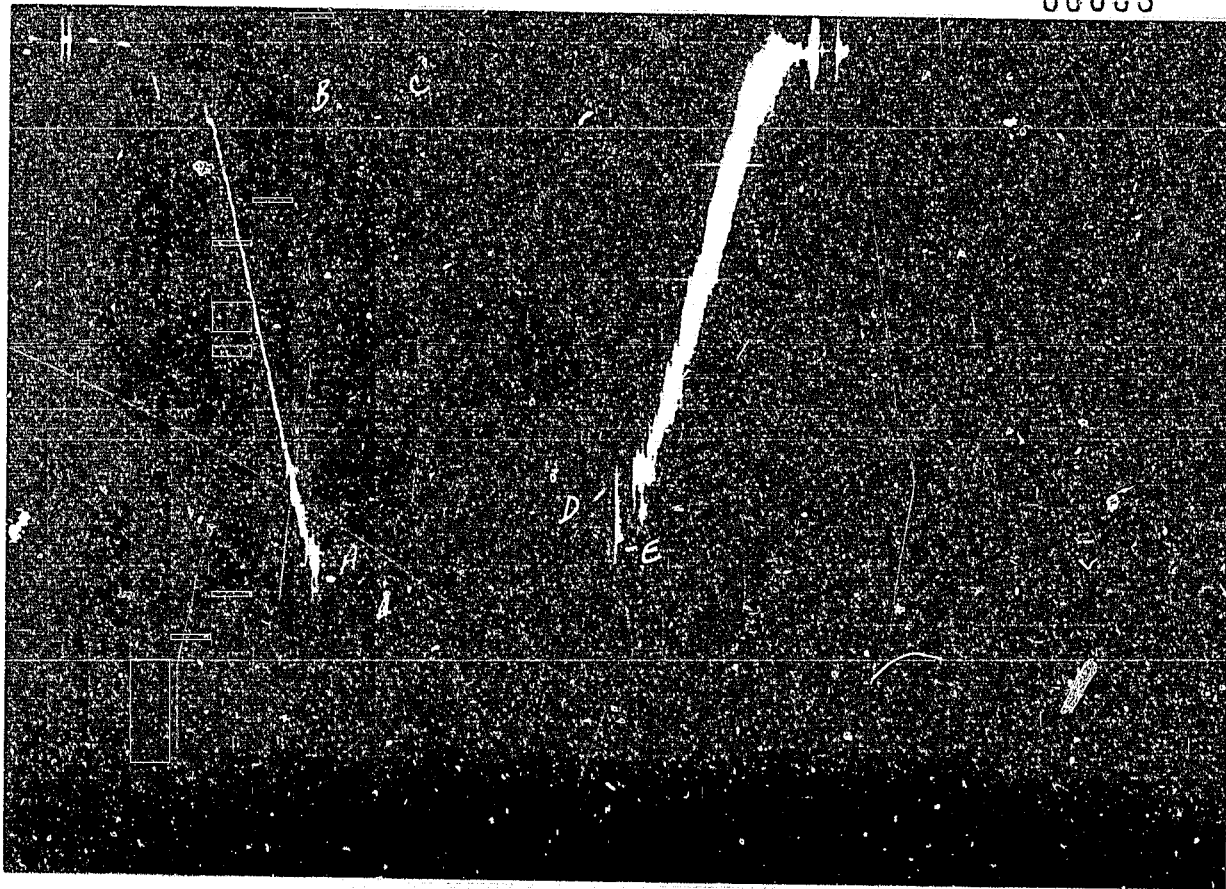
ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC					
B	INITIAL FIRST FLOW	455	470.5	83.0	82.1	F
C	FINAL FIRST FLOW		480.3			
D	INITIAL FIRST CLOSED-IN		480.3	254.0	254.9	C
E	FINAL FIRST CLOSED-IN	498	502.6			
F	FINAL HYDROSTATIC					



GAUGE NO: 7900 DEPTH: 9501.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	4067	4394.7			
2	INITIAL FIRST FLOW	423	553.6			
3	FINAL FIRST FLOW	423	469.7	63.0	82.1	F
4	INITIAL FIRST CLOSED-IN	423	469.7			
5	FINAL FIRST CLOSED-IN	3540	3821.4	254.0	254.9	C
6	FINAL HYDROSTATIC	4067	4395.2			

00058



GAUGE NO: 8568 DEPTH: 9557.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	4238	4400.8			
2	INITIAL FIRST FLOW	430	562.1	83.0	82.1	F
3	FINAL FIRST FLOW	430	463.3			
4	INITIAL FIRST CLOSED-IN	430	463.3	254.0	254.9	C
5	FINAL FIRST CLOSED-IN	3665	3801.9			
6	FINAL HYDROSTATIC	4217	4403.4			

EQUIPMENT & HOLE DATA			TICKET NUMBER: 32936900		
FORMATION TESTED: <u>PATCHAWARRI</u>			DATE: <u>10-16-84</u> TEST NO: <u>7</u>		
NET PAY: _____			TYPE DST: <u>OPEN HOLE</u>		
GROSS TESTED FOOTAGE: <u>36.0</u>			HALLIBURTON CAMP: <u>MOOMBA</u>		
ALL DEPTHS MEASURED FROM: <u>KB</u>			TESTER: <u>D. BURT</u>		
CASING PERFS. (ft): _____			WITNESS: <u>FRED HODGKIN</u>		
HOLE OR CASING SIZE (in): <u>8.500</u>			DRILLING CONTRACTOR: <u>S & T DRILLING RIG #16</u>		
ELEVATION (ft): <u>146</u>					
TOTAL DEPTH (ft): <u>9560.0</u>					
PACKER DEPTH(S) (ft): <u>9516, 9524</u>					
FINAL SURFACE CHOKE (in): <u>0.500</u>					
BOTTOM HOLE CHOKE (in): <u>0.750</u>					
MUD WEIGHT (lb/gal): <u>9.10</u>					
MUD VISCOSITY (sec): <u>38</u>					
ESTIMATED HOLE TEMP. (°F): <u>245</u>					
ACTUAL HOLE TEMP. (°F): <u>0</u> _____ ft					
FLUID PROPERTIES FOR RECOVERED MUD & WATER			SAMPLER DATA		
SOURCE	RESISTIVITY	CHLORIDES	Psig AT SURFACE: _____		
_____	<u>0</u> °F	_____ ppm	cu.ft. OF GAS: _____		
_____	<u>0</u> °F	_____ ppm	cc OF OIL: _____		
_____	<u>0</u> °F	_____ ppm	cc OF WATER: _____		
_____	<u>0</u> °F	_____ ppm	cc OF MUD: _____		
_____	<u>0</u> °F	_____ ppm	TOTAL LIQUID cc: _____		
HYDROCARBON PROPERTIES			CUSHION DATA		
OIL GRAVITY (°API): <u>0</u> °F			TYPE AMOUNT WEIGHT		
GAS/OIL RATIO (cu.ft. per bbl): _____			<u>WATER (FEET)</u> <u>1017.0</u> <u>8.40</u>		
GAS GRAVITY: _____					
RECOVERED:					
1080 FEET OF SLIGHTLY GAS CUT WATER AND MUD					
REMARKS:					
THIS TEST WAS CONDUCTED IN OCTOBER					
LEGAL LOCATION: LAT. 27 DEGREES - 24' - 36.3" SOUTH					
LONG. 140 DEGREES - 12' - 39.3" EAST					

MEASURED FROM
TESTER VALVE

04006

00061

220

TICKET NO: 44-36900
CLOCK NO: 4004 HOUR: 48



GAUGE NO: 5689
DEPTH: 9480.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	470.5									
	9.9	474.6	4.2								
	29.9	477.9	3.3								
	49.9	479.0	1.1								
	49.9	479.2	0.2								
	50.0	479.2	0.0								
	59.9	479.6	0.4								
	79.9	480.1	0.4								
	80.0	480.1	0.0								
C	82.1	480.3	0.2								
FIRST CLOSED-IN											
C	0.0	480.3									
D	254.9	502.6	22.3	62.1	0.121						

REMARKS:

820

00062

TICKET NO: 42936400

CLOCK NO: 4547 HOUR: 24

HALLIBURTON
SERVICES

GAUGE NO: 7900

DEPTH: 9501.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	553.6									
	10.0	456.9	-96.7								
	20.0	460.8	3.9								
	30.0	464.9	4.1								
	40.0	464.9	0.0								
	50.0	466.4	1.5								
	60.0	467.3	0.9								
	70.0	467.3	0.0								
	80.0	467.8	0.4								
C	90.1	469.7	2.0								
FIRST CLOSED-IN											
C	0.0	469.7									
	5.0	742.7	273.0	4.7	1.238						
	10.0	985.6	515.9	8.9	0.963						
	15.0	1206.3	736.6	12.7	0.811						
	20.0	1403.3	933.6	16.1	0.708						
	25.0	1574.1	1104.4	19.2	0.631						
	30.0	1729.2	1259.5	22.0	0.572						
	35.0	1869.3	1399.6	24.6	0.524						
	40.0	1997.6	1527.9	26.9	0.484						
	45.0	2117.5	1647.8	29.1	0.451						
	50.0	2230.1	1760.4	31.1	0.422						
	55.0	2332.5	1862.8	32.9	0.397						
	60.0	2428.8	1959.1	34.7	0.374						
	70.0	2604.8	2135.1	37.8	0.337						
	80.0	2753.9	2284.2	40.5	0.307						
	90.0	2884.3	2414.6	42.9	0.282						
	100.0	2996.7	2527.0	45.1	0.260						
	110.0	3096.5	2626.8	47.0	0.242						
	120.0	3184.7	2715.0	48.7	0.226						
	130.0	3264.1	2794.4	50.3	0.213						
	140.0	3335.7	2866.0	51.8	0.200						
	150.0	3400.9	2931.2	53.1	0.190						
	160.0	3461.5	2991.8	54.2	0.180						
	170.0	3514.9	3045.2	55.4	0.171						
	180.0	3562.6	3092.9	56.4	0.163						
	190.0	3609.2	3139.5	57.3	0.156						
	200.0	3649.9	3180.2	58.2	0.149						
	210.0	3687.1	3217.4	59.0	0.143						
	220.0	3719.9	3250.2	59.8	0.136						
	230.0	3751.6	3281.9	60.5	0.133						
	240.0	3781.0	3311.2	61.2	0.128						
	250.0	3808.8	3339.0	61.8	0.123						
D	254.9	3821.4	3351.7	62.1	0.121						

REMARKS:

610

00063

TICKET NO: 11-1300

CLOCK NO: 11-1300 HOUR: 24

HALLIBURTON
SERVICES

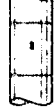
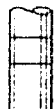
GAUGE NO: 8568

DEPTH: 9557.0

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW					
B	0.0	562.1			
	10.0	456.8	-105.3		
	20.0	458.1	1.3		
	30.0	460.4	2.3		
	40.0	461.2	0.8		
	50.0	461.2	0.0		
	60.0	461.2	0.0		
	70.0	461.2	0.0		
	80.0	462.3	1.1		
C	90.0	463.1	1.1		

FIRST CLOSED-IN					
C	0.0	463.3			
	5.0	732.4	269.1	4.7	1.239
	10.0	977.1	513.8	8.9	0.960
	15.0	1198.9	735.6	12.7	0.810
	20.0	1391.3	928.0	16.1	0.707
	25.0	1559.0	1095.6	19.2	0.632
	30.0	1719.2	1255.9	22.0	0.572
	35.0	1866.2	1402.8	24.6	0.524
	40.0	1993.4	1530.1	26.9	0.485
	45.0	2115.4	1652.1	29.1	0.451
	50.0	2227.9	1764.6	31.1	0.422
	55.0	2332.1	1868.8	32.9	0.397
	60.0	2423.9	1960.5	34.7	0.374
	65.0	2593.0	2129.7	37.0	0.337
	70.0	2741.6	2278.3	40.5	0.307
	75.0	2868.5	2405.2	42.9	0.282
	80.0	2981.2	2517.8	45.1	0.260
	85.0	3082.3	2618.9	47.0	0.242
	90.0	3189.4	2706.1	48.7	0.226
	95.0	3248.7	2785.4	50.0	0.213
	100.0	3321.9	2858.6	51.7	0.200
	105.0	3384.6	2921.3	53.0	0.190
	110.0	3441.6	2978.2	54.2	0.180
	115.0	3495.6	3032.2	55.1	0.171
	120.0	3544.3	3081.0	56.4	0.163
	125.0	3586.9	3123.6	57.3	0.156
	130.0	3627.6	3164.5	58.2	0.149
	135.0	3665.0	3201.6	59.0	0.143
	140.0	3700.8	3237.5	59.8	0.138
	145.0	3731.4	3268.1	60.5	0.133
	150.0	3762.0	3298.7	61.2	0.128
	155.0	3788.8	3325.5	61.8	0.123
D	160.0	3801.9	3338.6	62.1	0.121

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	5.000	4.276	8921.3	
2		DRILL PIPE.....	5.000	3.000	184.1	
3		DRILL COLLARS.....	6.250	2.875	308.9	
4		IMPACT REVERSING SUB.....	6.000	3.000	1.0	9414.0
5		DRILL COLLARS.....	6.250	2.875	30.6	
6		IMPACT REVERSING SUB.....	6.000	3.000	1.0	9446.0
7		DRILL COLLARS.....	6.250	2.875	30.7	
8		CROSSOVER.....	5.750	1.000	1.0	
9		AIR RUNNING CASE.....	5.000	2.250	4.1	9486.0
10		CROSSOVER.....	5.000	2.200	1.0	
11		DUAL CIP VALVE.....	5.000	0.870	4.9	
12		DRAIN VALVE.....	5.000	2.200	5.7	
13		HYDROSPRING TESTER.....	5.000	0.750	5.9	9499.0
14		AIR RUNNING CASE.....	5.000	2.250	4.1	9501.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
17		OPEN HOLE PACKER.....	6.000	1.530	6.0	9516.0
18		DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
19		OPEN HOLE PACKER.....	6.000	1.530	6.0	9524.0
20		ANCHOR PIPE SAFETY JOINT.....	5.000	1.500	4.3	
21		FLUSH JOINT ANCHOR.....	5.000	2.370	26.0	
22		BLANKED-OFF RUNNING CASE.....	5.000		4.1	9557.0
TOTAL DEPTH					9560.0	

EQUIPMENT DATA

EQUIPMENT DATA

00065

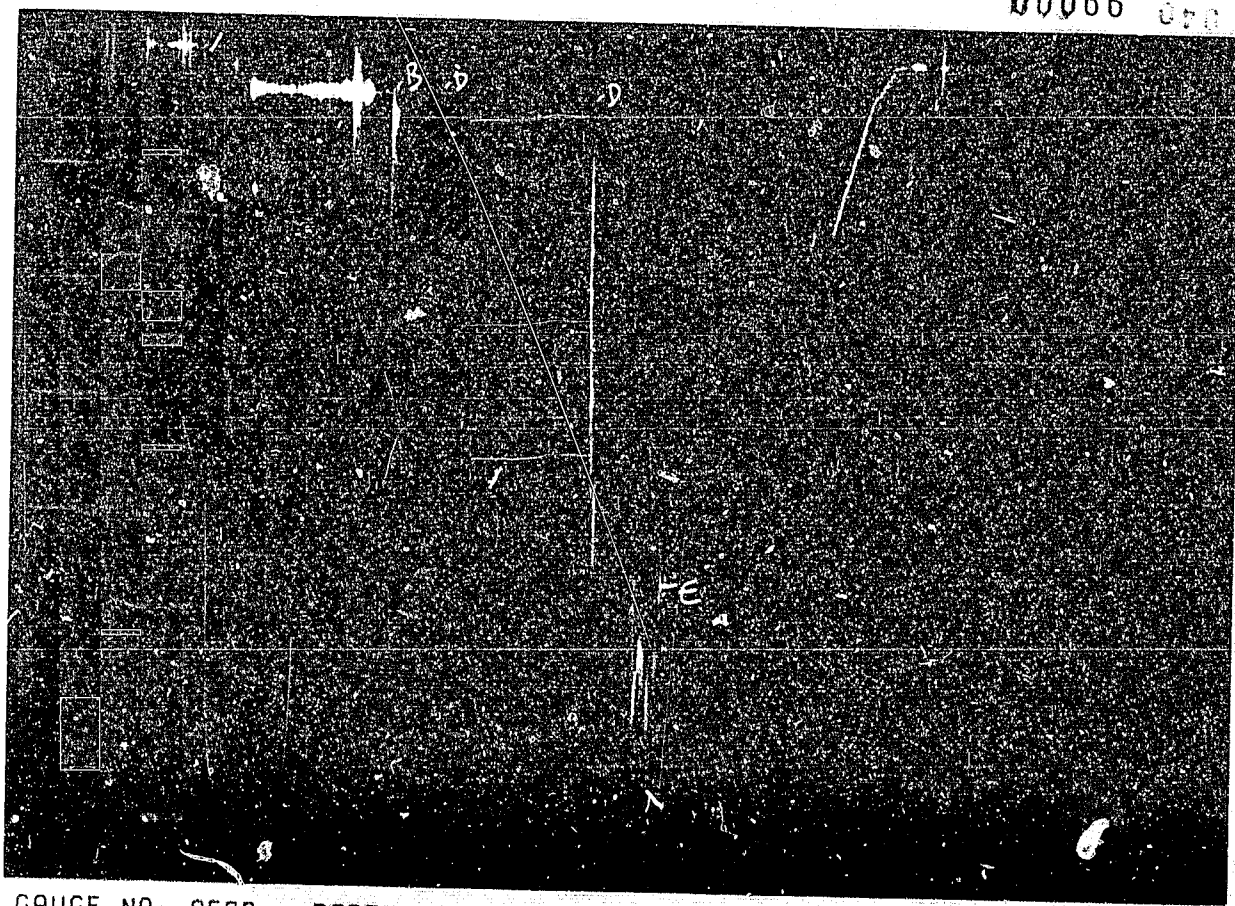


TICKET NO. 33720500
12-JAN-85
MOOMBA

FORMATION TESTING SERVICE REPORT

MOOLION		1		8		9582.1 - 9710.1		DELHI/SANTOS	
LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
LEGAL LOCATION		SEE REMARKS		FIELD AREA		COOPER BASIN		COUNTRY SOUTH AUSTRALIA	
SEC. - TWP. - RMC.								STATE AUSTRALIA SH-DR	

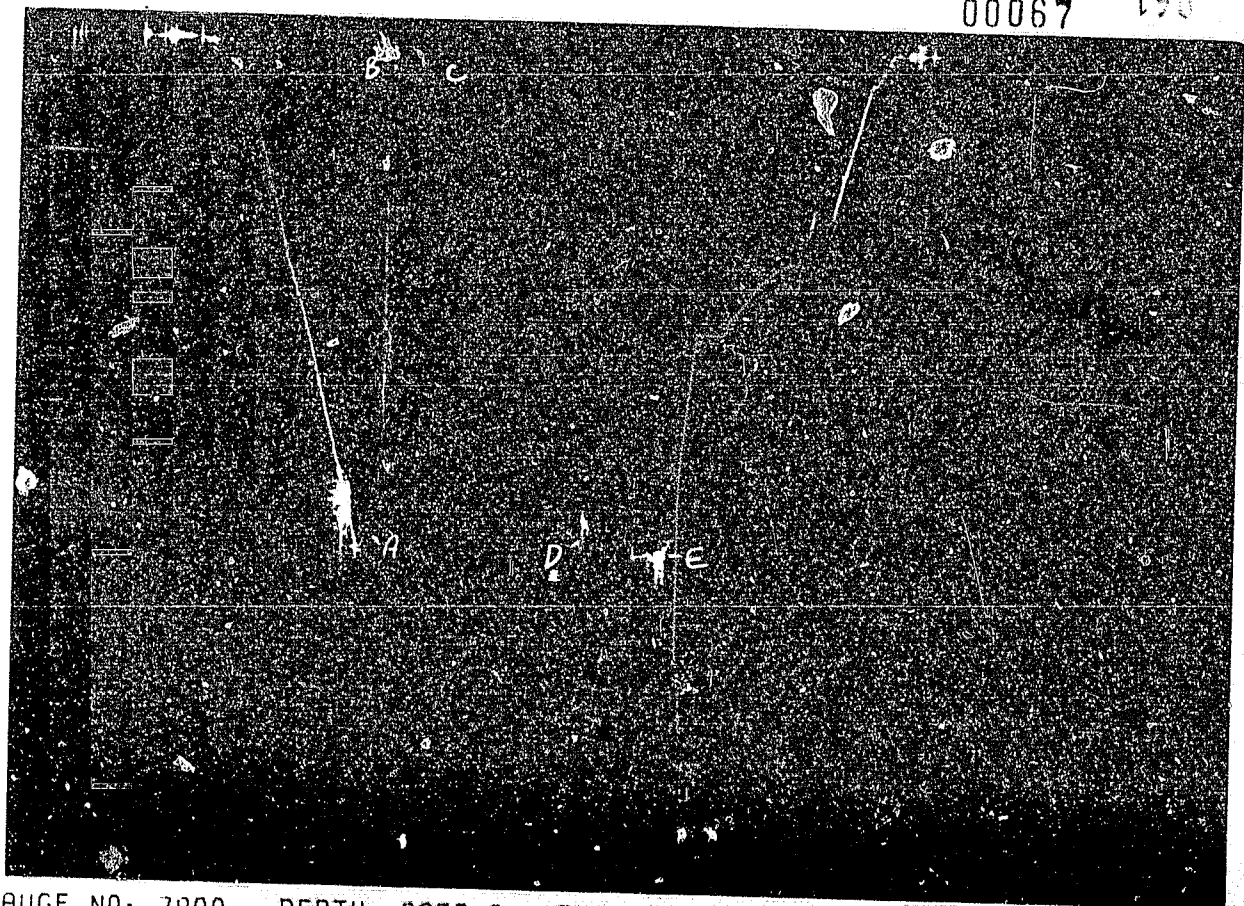
00066 070



GAUGE NO: 8568 DEPTH: 9638.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC					
B	INITIAL FIRST FLOW	339	321.3			
C	FINAL FIRST FLOW	381	361.3	60.0	59.4	F
D	INITIAL FIRST CLOSED-IN	381	361.3			
E	FINAL FIRST CLOSED-IN		407.9	180.0	180.6	C
F	FINAL HYDROSTATIC		4539.1			

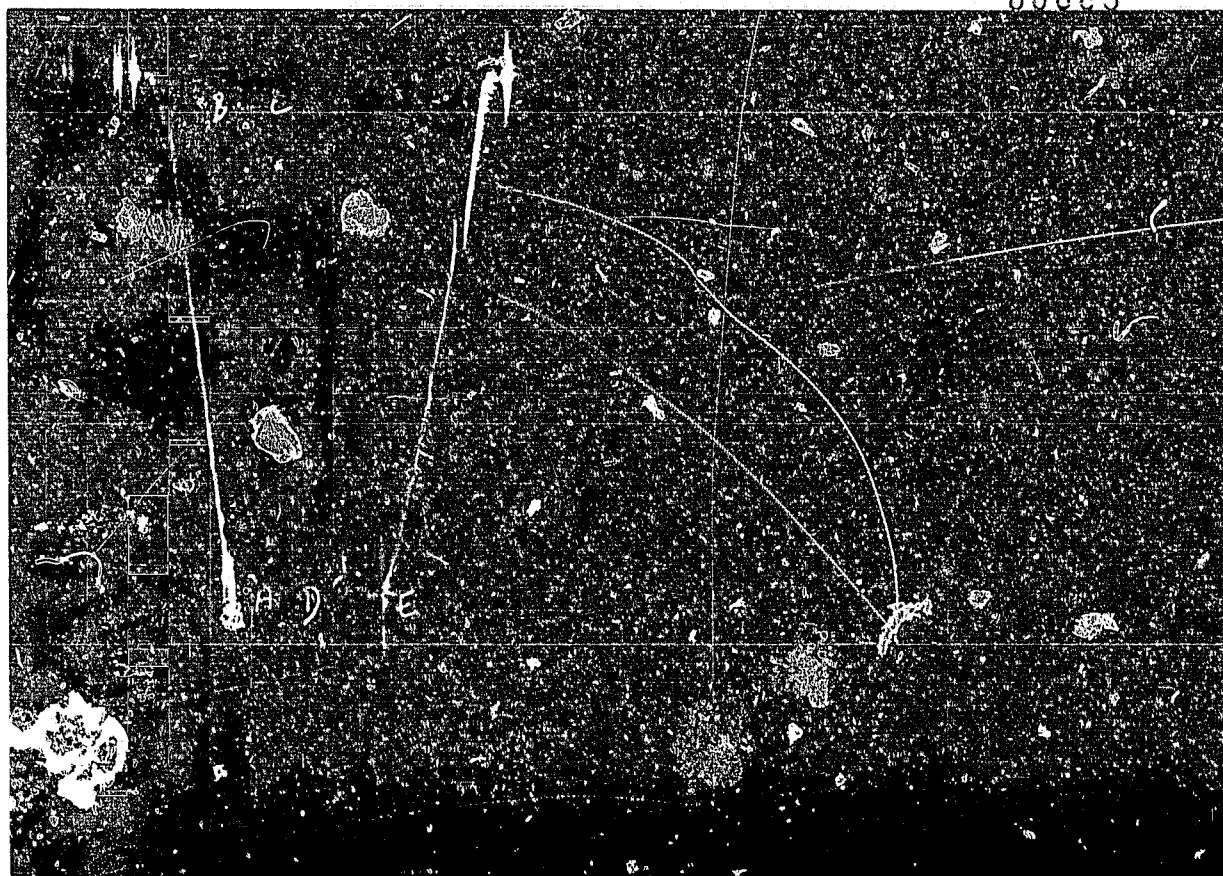
00067 120



GAUGE NO: 7900 DEPTH: 9659.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	4455	4498.9			
2	INITIAL FIRST FLOW	305	324.2			
3	FINAL FIRST FLOW	349	358.6	60.0	59.4	F
4	INITIAL FIRST CLOSED-IN	349	358.6			
5	FINAL FIRST CLOSED-IN	4367	4364.7	180.0	180.6	C
6	FINAL HYDROSTATIC	4455	4449.1			

00068



GAUGE NO: 5689 DEPTH: 9707.0 BLANKED OFF: YES HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
1	INITIAL HYDROSTATIC	4541	4592.3			
2	INITIAL FIRST FLOW	394	375.2			
3	FINAL FIRST FLOW	437	399.2	60.0	59.4	F
4	INITIAL FIRST CLOSED-IN	437	399.2			
5	FINAL FIRST CLOSED-IN	4413	4441.1	180.0	180.6	C
6	FINAL HYDROSTATIC	4542	4569.5			

00069

EQUIPMENT & HOLE DATA		TICKET NUMBER: 33720500	
FORMATION TESTED: <u>TIRRAWARRA</u>		DATE: <u>10-17-84</u> TEST NO: <u>8</u>	
NET PAY : _____		TYPE DST: <u>OPEN HOLE</u>	
GROSS TESTED FOOTAGE: <u>28.0</u>		HALLIBURTON CAMP: <u>MOOMBA</u>	
ALL DEPTHS MEASURED FROM: <u>KELLY BUSHING</u>		TESTER: <u>VANCE BLATT</u>	
CASING PERFS. (ft): _____		WITNESS: <u>C. RODWELL</u>	
HOLE OR CASING SIZE (in): <u>8.500</u>		DRILLING CONTRACTOR: <u>S & T RIG #15</u>	
ELEVATION (ft): <u>146</u>			
TOTAL DEPTH (ft): <u>9710.0</u>			
PACKER DEPTH(S) (ft): <u>9674, 9682</u>			
FINAL SURFACE CHOKE (in): <u>0.500</u>			
BOTTOM HOLE CHOKE (in): <u>0.750</u>			
MUD WEIGHT (lb/gal): <u>9.10</u>			
MUD VISCOSITY (sec): <u>45</u>			
ESTIMATED HOLE TEMP. (°F): _____			
ACTUAL HOLE TEMP. (°F): <u>260 @ 9706.0 ft</u>			
FLUID PROPERTIES FOR RECOVERED MUD & WATER		SAMPLER DATA	
SOURCE	RESISTIVITY	CHLORIDES	Pstg AT SURFACE: _____
_____	_____ °F	_____ ppm	cu.ft. OF GAS: _____
_____	_____ °F	_____ ppm	cc OF OIL: _____
_____	_____ °F	_____ ppm	cc OF WATER: _____
_____	_____ °F	_____ ppm	cc OF MUD: _____
_____	_____ °F	_____ ppm	TOTAL LIQUID cc: _____
HYDROCARBON PROPERTIES		CUSHION DATA	
OIL GRAVITY (°API): _____ °F		TYPE	AMOUNT WEIGHT
CAS/OIL RATIO (cu.ft. per bbl): _____		<u>WATER (ET.)</u>	<u>1000.0 8.33</u>
GAS GRAVITY: _____			
RECOVERED:		MEASURED FROM TESTER VALVE	
GAS RATE WAS TOO SMALL TO MEASURE			
REMARKS:			
THIS TEST WAS CONDUCTED IN OCTOBER			
LEGAL LOCATION: LAT. 27 DEGREES 24' 36.3", LONG. 140 DEGREES 12' 39.3"			

0000

00071 970

TICKET NO: 10020500
CLOCK NO: 10055 HOUR: 24



GAUGE NO: 8568
DEPTH: 9638.0

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	321.3									
	10.0	345.0	23.7								
	20.0	355.2	10.2								
	30.0	358.6	3.6								
	40.0	360.1	1.5								
	50.0	362.0	1.9								
C	59.4	361.3	-0.6								
FIRST CLOSED-IN											
C	0.0	361.3									
D	189.6	407.9	46.6	44.7	0.123						

REMARKS:

00072

TICKET NO: 00500

CLOCK NO: 44 HOUR: 24


HALLIBURTON
SERVICES

GAUGE NO: 7900

DEPTH: 9657.6

REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW											
B	0.0	324.2									
	10.0	337.5	13.3								
	20.0	348.4	10.9								
	40.0	352.7	4.4								
	40.0	354.2	1.5								
	50.0	356.4	2.2								
C	50.4	358.6	2.2								
FIRST CLOSED-IN											
C	0.0	358.6									
	10.0	1021.6	663.0	8.6	0.840						
	20.0	1651.6	1293.0	15.0	0.598						
	30.0	2532.3	2173.7	19.9	0.474						
	40.0	3232.0	2873.4	23.9	0.395						
	50.0	3566.7	3208.1	27.1	0.340						
	60.0	3747.0	3388.4	29.8	0.299						
	70.0	3871.0	3512.4	32.1	0.267						
	80.0	3962.6	3604.0	34.1	0.241						
	90.0	4035.4	3676.7	35.8	0.220						
	100.0	4094.9	3736.3	37.2	0.202						
	110.0	4146.5	3787.9	38.6	0.187						
	120.0	4191.3	3832.7	39.7	0.174						
	130.0	4231.0	3872.4	40.8	0.163						
	140.0	4264.4	3905.8	41.7	0.153						
	150.0	4294.2	3935.6	42.5	0.145						
	160.0	4319.9	3961.3	43.3	0.137						
	170.0	4342.8	3984.2	44.0	0.130						
D	180.6	4364.7	4006.1	44.7	0.123						

REMARKS:

00000

240

00073

TICKET NO: 20500

CLOCK NO: 2064 HOUR: 48



GAUGE NO: 5689

DEPTH: 9707.0

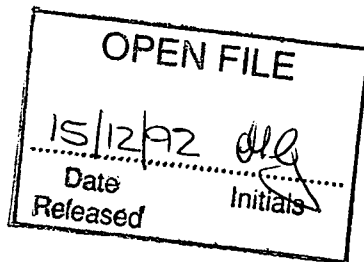
REF	MINUTES	PRESSURE	ΔP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW					
B	0.0	375.2			
	10.0	382.6	7.4		
	20.0	391.3	8.7		
4	30.0	394.8	3.5		
	40.0	396.2	1.3		
	50.0	398.1	2.0		
C	59.4	399.2	1.1		

FIRST CLOSED-IN					
C	0.0	399.2			
	10.0	1121.1	721.9	0.6	0.840
	20.0	1737.5	1338.3	15.0	0.599
4	30.0	2570.9	2171.7	19.9	0.474
	40.1	3275.1	2875.9	23.9	0.395
	50.1	3602.9	3203.6	27.2	0.339
	60.0	3803.8	3404.6	29.8	0.299
	70.0	3938.9	3539.6	32.1	0.267
	80.0	4032.0	3633.7	34.1	0.241
	90.0	4108.6	3709.4	35.8	0.220
11	100.0	4172.3	3773.1	37.2	0.202
	110.0	4221.0	3821.7	38.6	0.187
	120.0	4265.9	3866.7	39.7	0.175
14	130.0	4305.7	3906.5	40.8	0.163
	140.0	4340.1	3940.9	41.7	0.153
	150.0	4370.3	3971.1	42.5	0.145
	160.0	4396.1	3996.9	43.3	0.137
	170.0	4419.1	4019.9	44.0	0.130
D	180.6	4441.1	4041.8	44.7	0.123

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH
1	PIPE	4.500	3.826	9058.0	
4	PIPE WEIGHT	5.880	2.880	181.0	
	DRILL COLLARS	6.380	2.380	310.0	
	PUMP OUT REVERSING SUB	6.000	3.000	1.0	9573.0
	DRILL COLLARS	6.380	2.880	30.0	
	IMPACT REVERSING SUB	6.000	3.000	1.0	9604.0
	DRILL COLLARS	6.380	2.880	30.0	
	CROSSOVER	5.750	1.000	1.0	
	AP RUNNING CASE	5.000	2.250	4.1	9638.0
	CROSSOVER	5.000	2.200	1.0	
12	DUAL CIP VALVE	5.000	0.870	4.9	
37	SAMPLER CASE	5.000	2.500	4.9	
43	DRAIN VALVE	5.000	2.200	0.9	
50	HYDROSPRING TESTER	5.000	0.750	5.3	9657.0
87	AP RUNNING CASE	5.000	2.250	4.1	9659.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
70	OPEN HOLE PACKER	5.000	1.680	5.9	9674.0
18	DISTRIBUTOR VALVE	5.000	1.680	2.0	
70	OPEN HOLE PACKER	5.000	1.680	5.9	9682.0
19	ANCHOR PIPE SAFETY JOINT	5.000	1.500	4.3	
20	FLUSH JOINT ANCHOR	5.000	2.370	18.0	
81	BLANKED-OFF RUNNING CASE	5.000		4.1	9707.0
	TOTAL DEPTH				9710.0

EQUIPMENT DATA



00075

1. INTRODUCTION

This report formally presents total organic carbon and Rock-Eval pyrolysis data for thirty-nine cuttings samples from Moolion-1 (Table 1).

This report also includes brief descriptions of analytical procedures and graphical representation of data.

2. ANALYTICAL PROCEDURE

2.1 Sample Preparation

Dried cuttings were ground in a Siebtechnik mill for 20-30 seconds.

2.2 Total Organic Carbon (TOC)

Total organic carbon was determined by digestion of a known weight (0.2-0.5 g) of powdered rock in 50% HCl to remove carbonates, followed by combustion in oxygen in the induction furnace of a Leco IR-12 Carbon Determinator and measurement of the resultant CO₂ by infra-red detection.

2.3 Rock-Eval Analysis

A 100 mg portion of powdered rock was analysed by the Rock-Eval pyrolysis technique (Girdel IFF-Fina Mark 2 instrument; operating mode, Cycle 1).

3. RESULTS

TOC and Rock-Eval pyrolysis data for the thirty-nine cuttings samples are listed in Table 1. The variation of Tmax, production index ($S_1/S_1 + S_2$), TOC, potential yield ($S_1 + S_2$) and hydrogen index with depth is illustrated in figures 1A and 1B. Figures 2-13 are cross plots of hydrogen index versus Tmax which demonstrate kerogen type and maturity for the intervals shown in Table 1.



MOOLION NO. 1 WELL

SCANNED

ROCK-EVAL. PYROLYSIS

Well MOOLION-1

[illegible]

AMDEL

Page 2

ROCK-EVAL PYROLYSIS

18/09/85

Client DELHI PETROLEUM

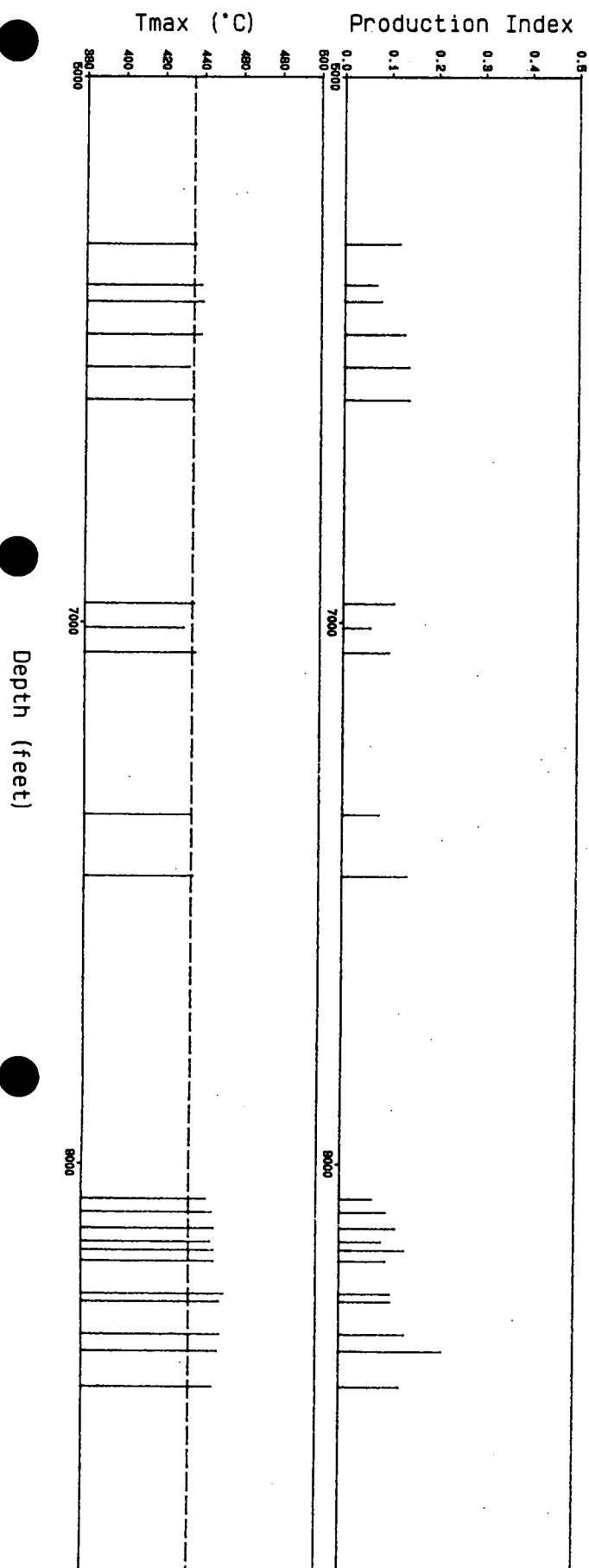
Well MOOLION-1

DEPTH	T MAX	S1	S2	S3	S1+S2	PI	S2/S3	PC	TOC	HI	OI
TOOLACHEE FORMATION											
9130-9180	444	0.44	5.99	0.17	6.43	0.07	35.23	0.53	23.40	26	1
9180-9240	447	0.91	7.97	0.14	8.88	0.10	56.92	0.74	50.60	16	0
9240-9288	448	0.44	3.23	0.05	3.67	0.12	64.60	0.30	10.60	30	0
EPSILON FORMATION											
9288-9320	446	0.65	6.76	0.08	7.41	0.09	84.50	0.61	39.40	17	0
MURTEREE SHALE											
320-9359	448	0.99	5.90	0.27	6.89	0.14	21.85	0.57	8.60	69	3
PATCHAWARRA FORMATION											
9360-9480	448	0.40	3.57	0.08	3.97	0.10	44.62	0.33	21.80	16	0
9480-9510	453	1.05	8.72	0.19	9.77	0.11	45.89	0.81	54.00	16	0
9510-9600	451	0.70	5.71	0.12	6.41	0.11	47.58	0.53	27.30	21	0
9630-9692	451	0.54	3.32	0.07	3.86	0.14	47.42	0.32	25.80	13	0
TIRRAWARRA SANDSTONE											
9692-9822	450	1.71	5.92	0.37	7.63	0.22	16.00	0.63	4.56	130	8
MERRIMELIA FORMATION											
9822-9922	447	1.43	9.83	0.30	11.26	0.13	32.76	0.93	12.50	79	2

00078

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Well name : MOOLION-1



00079

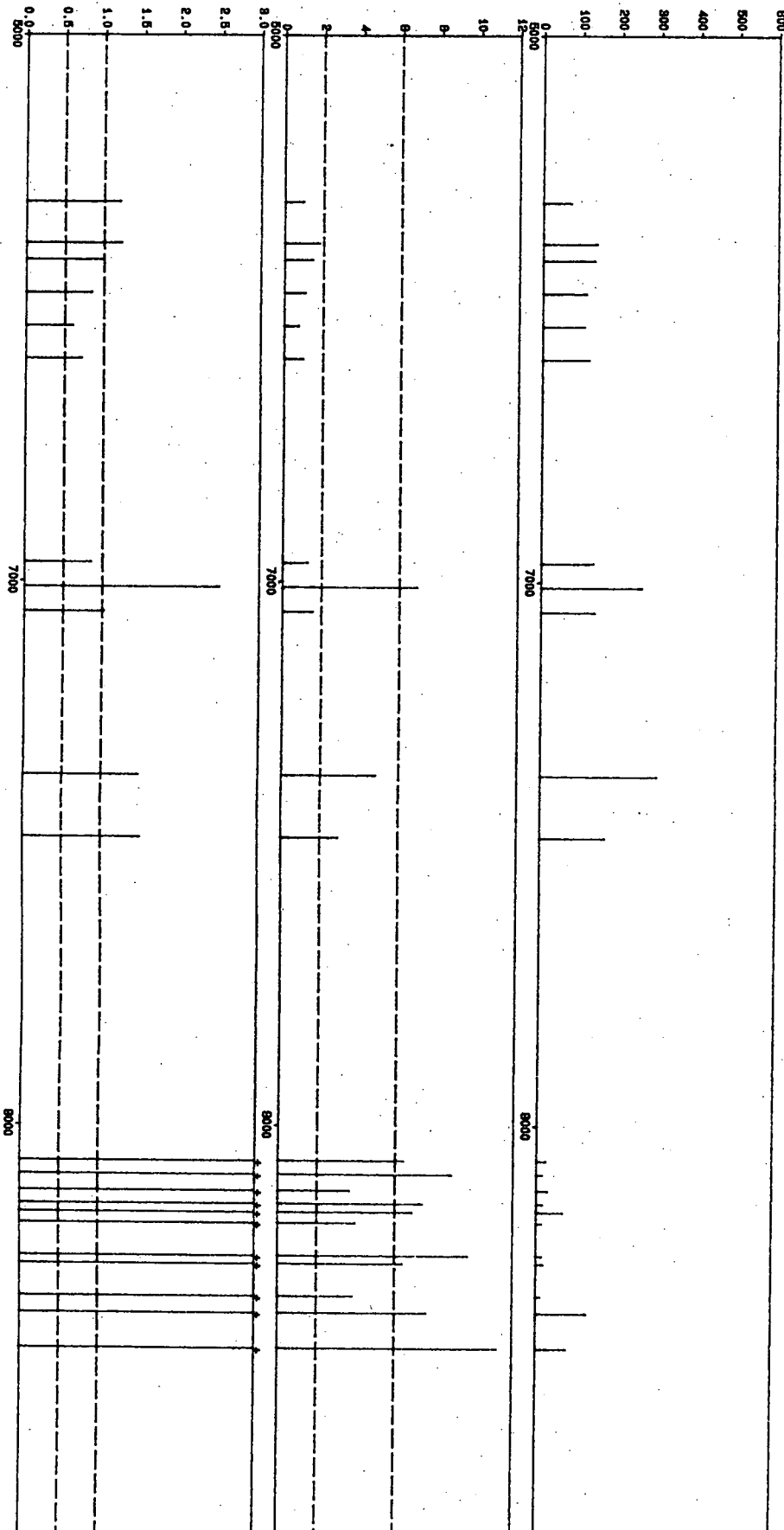
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Well name : MOOLION-1

% TOC

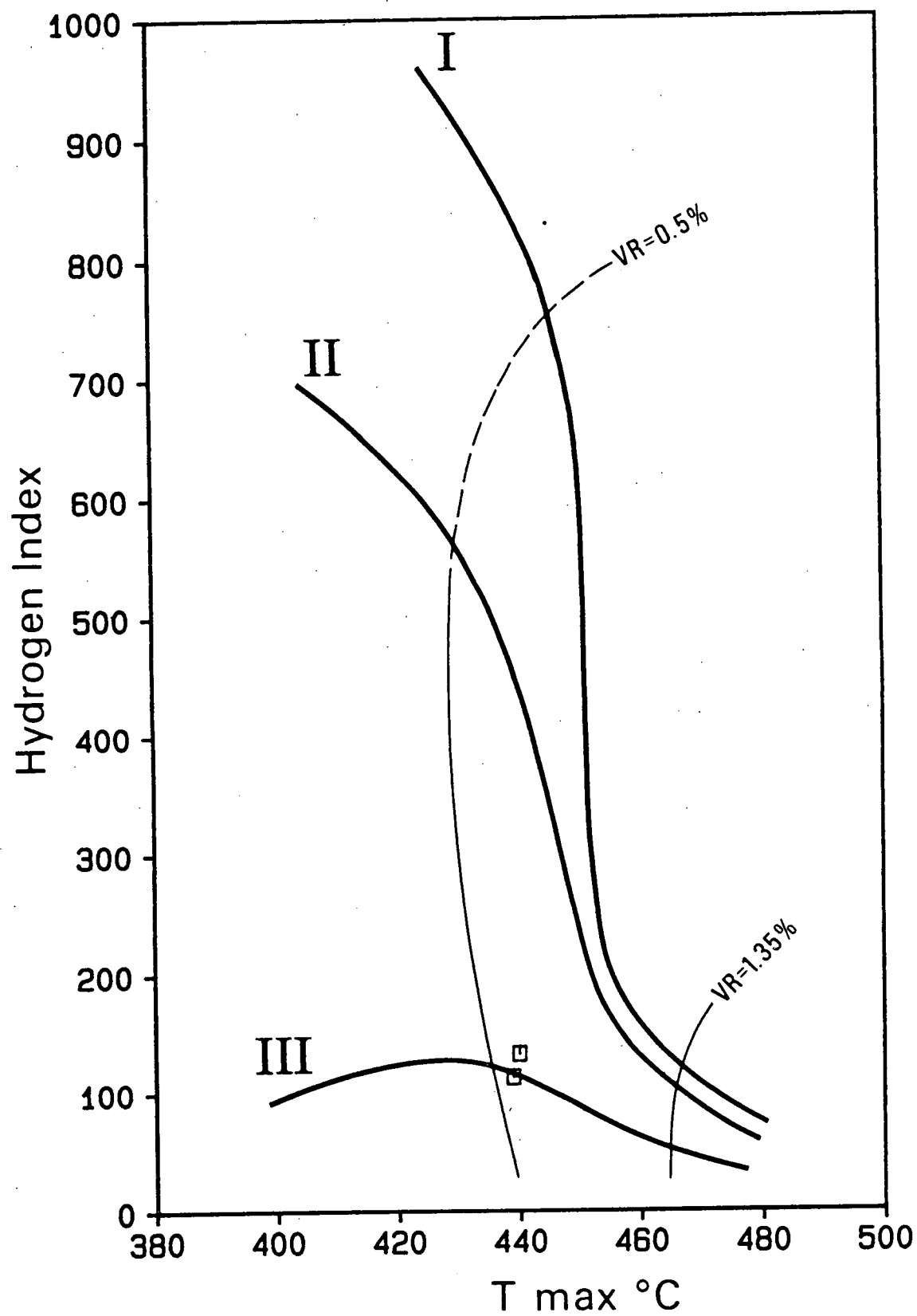
Potential Yield Hydrogen Index

Depth (feet)



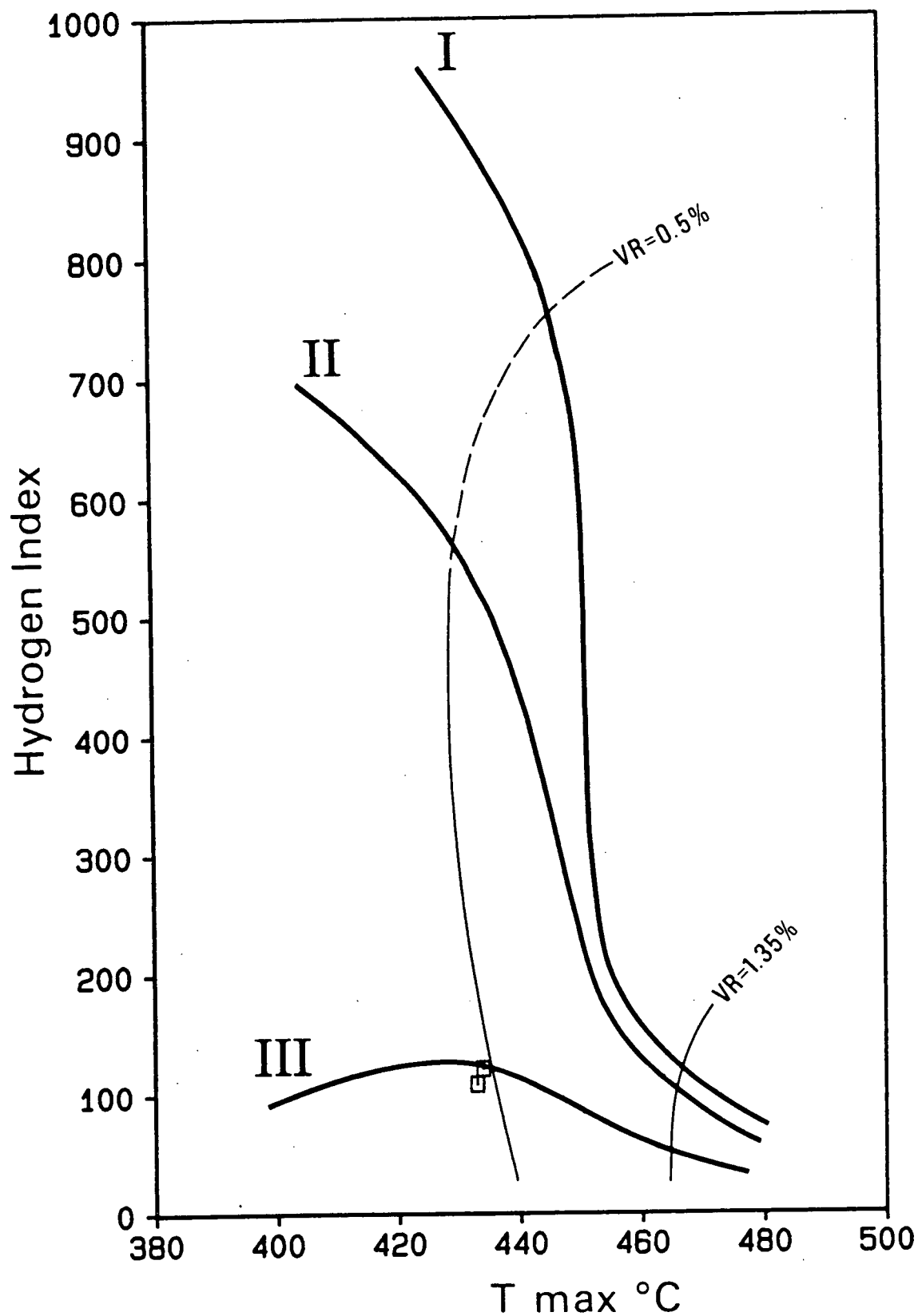
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Interval : CADNA-OWIE FORMATION



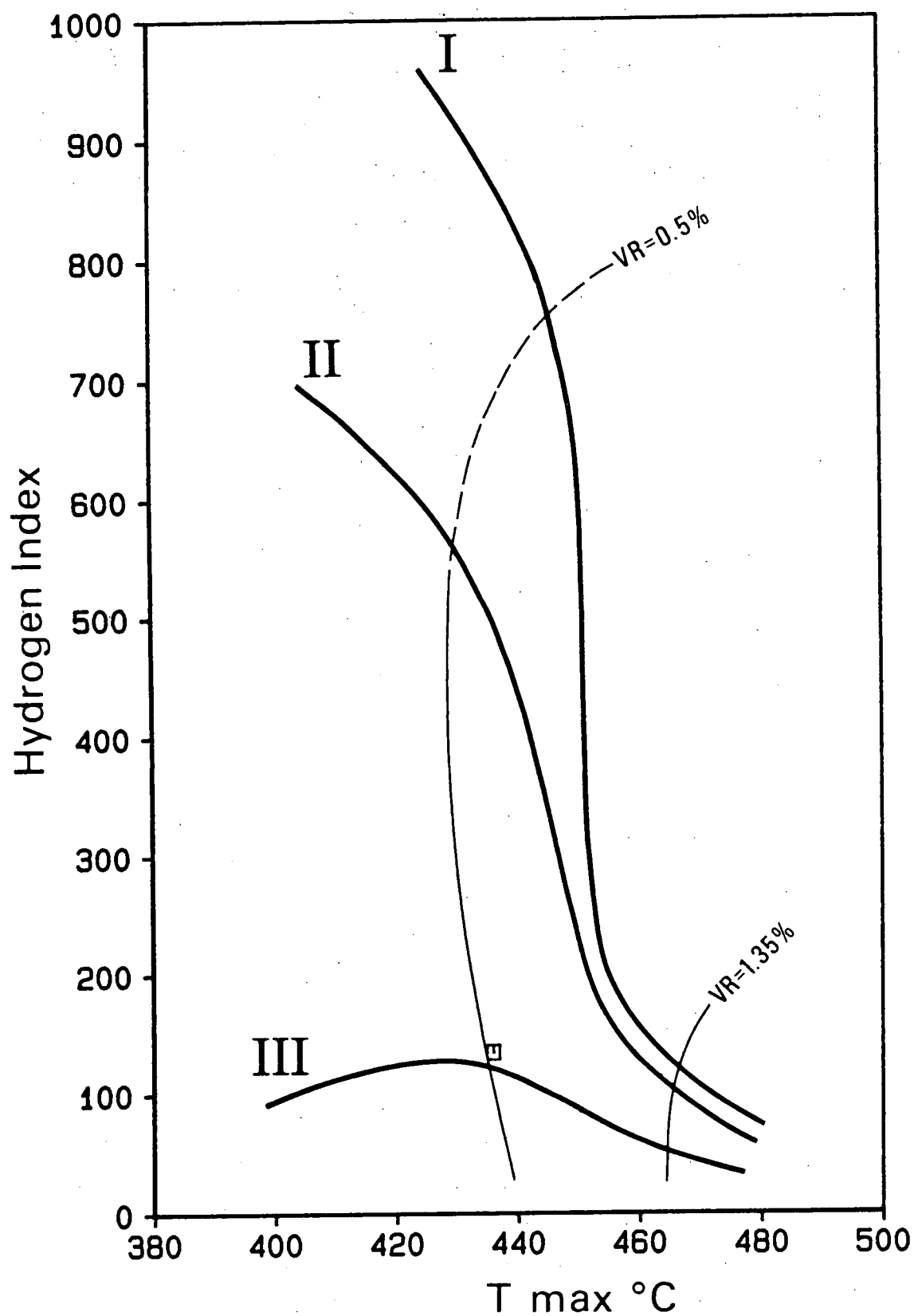
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Interval : MURTA MEMBER



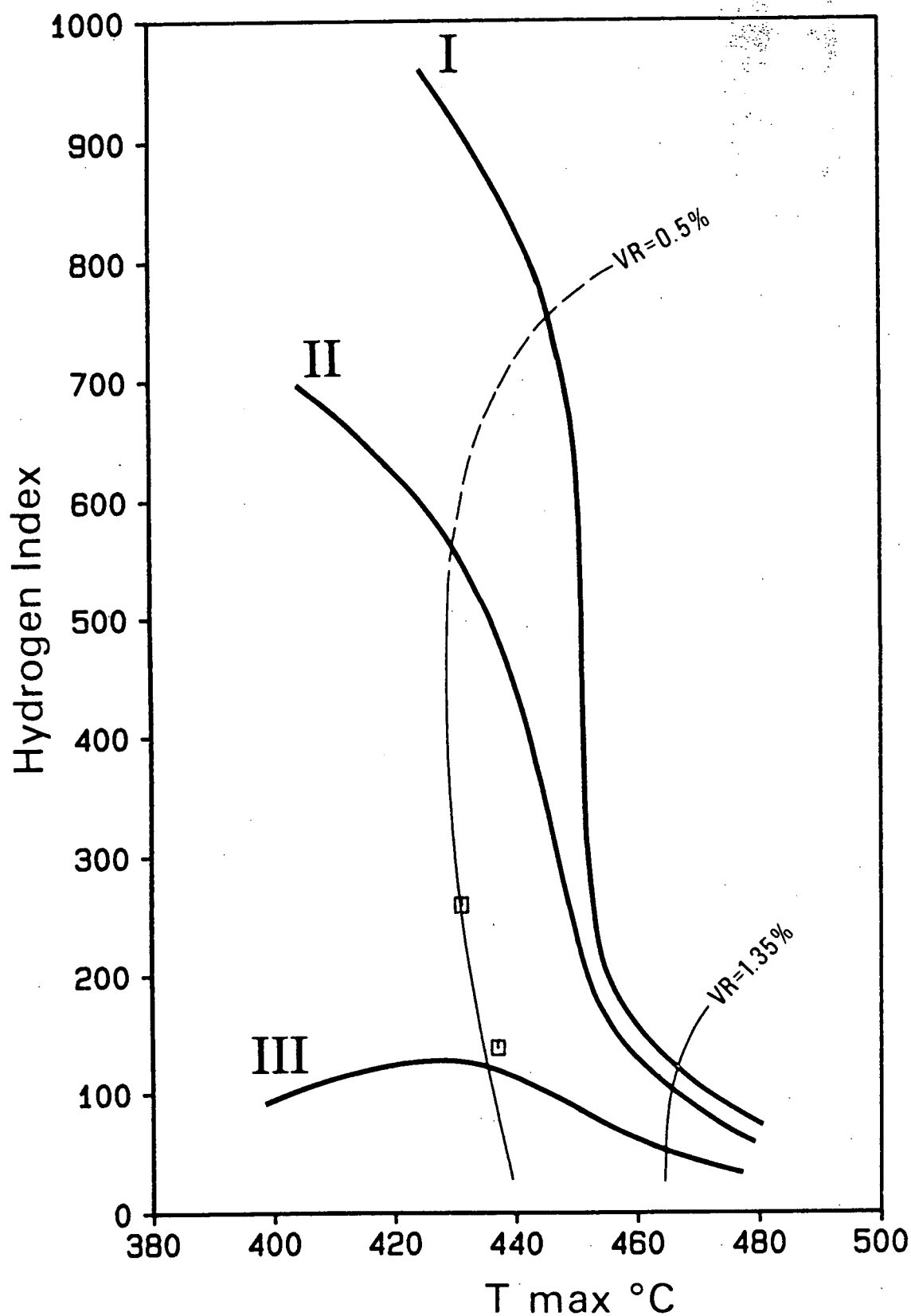
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Well name : MOOLION-1
Interval : ADORI SANDSTONE



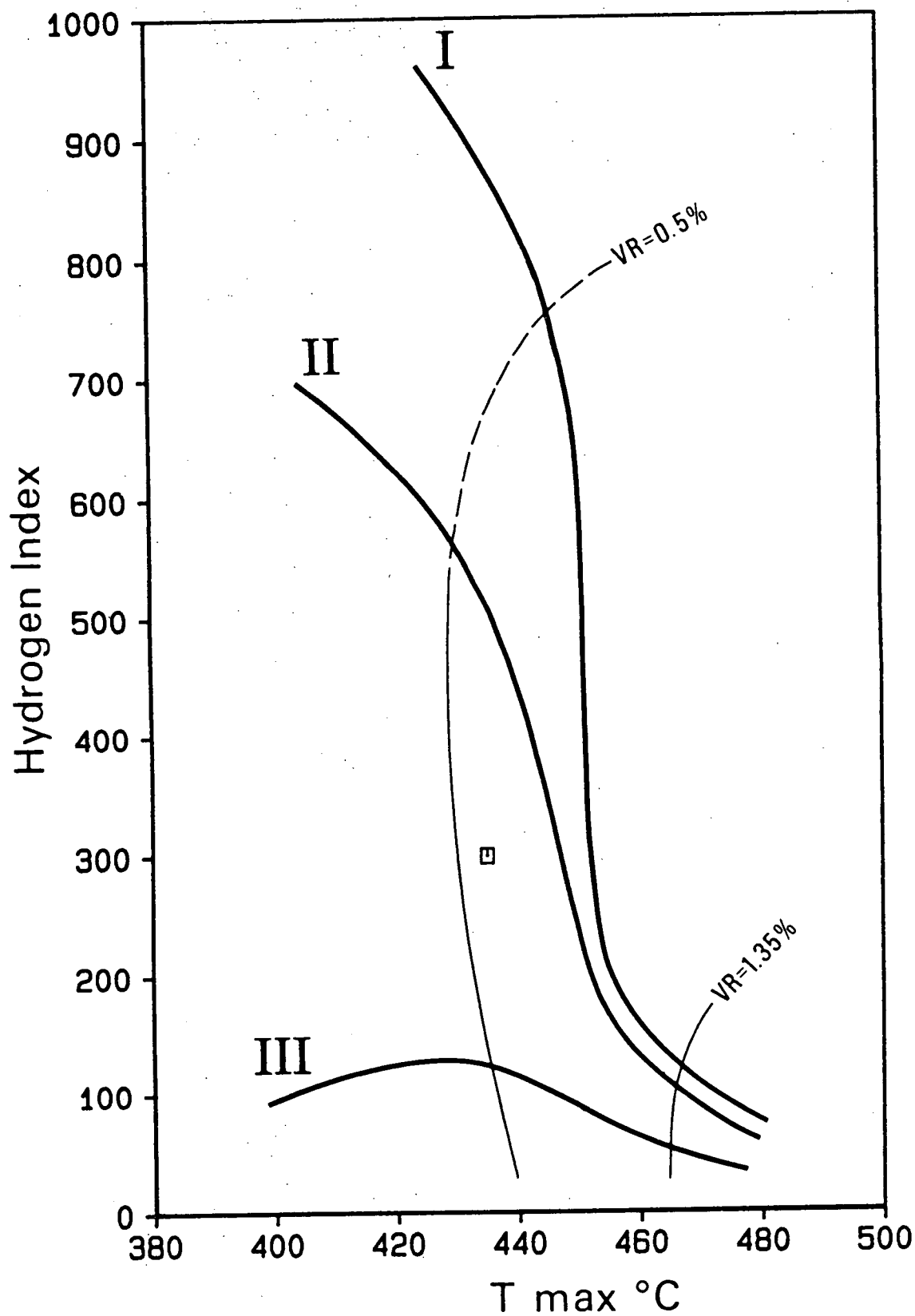
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Interval : BIRKHEAD FORMATION



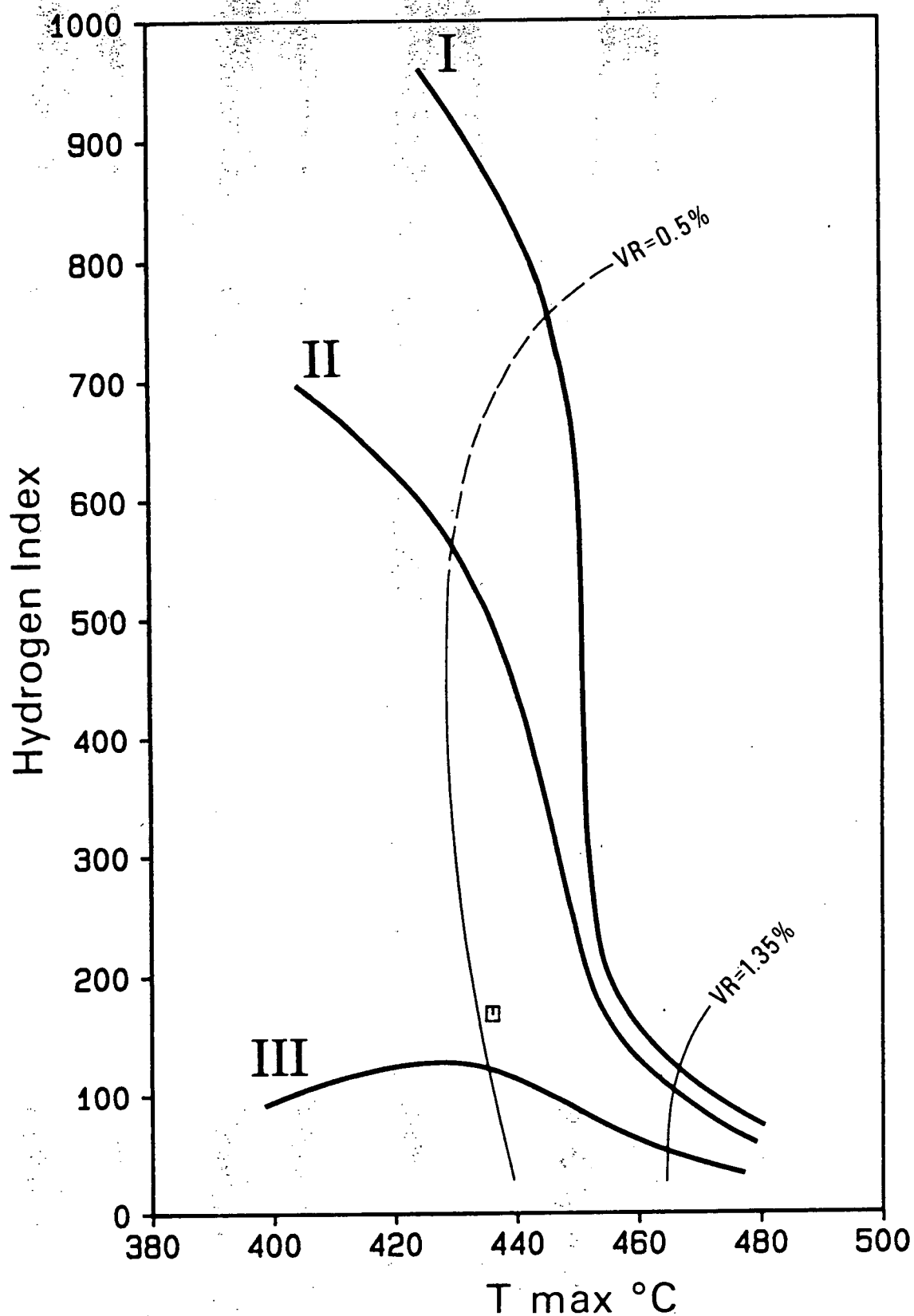
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Well name : MOOLION-1
Interval : HUTTON SANDSTONE



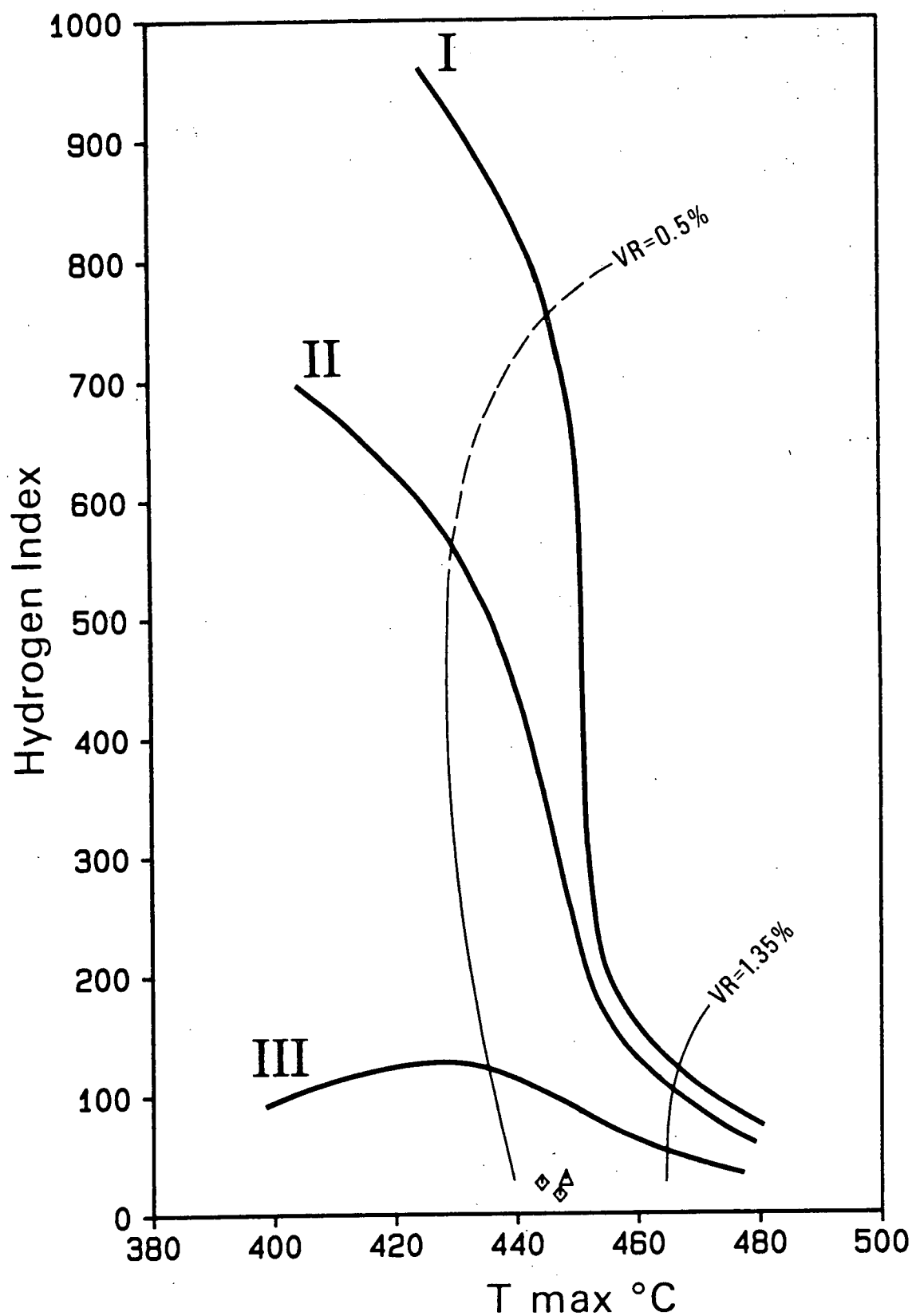
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Well name : MOOLION-1
Interval : POOLOWANNA BEDS



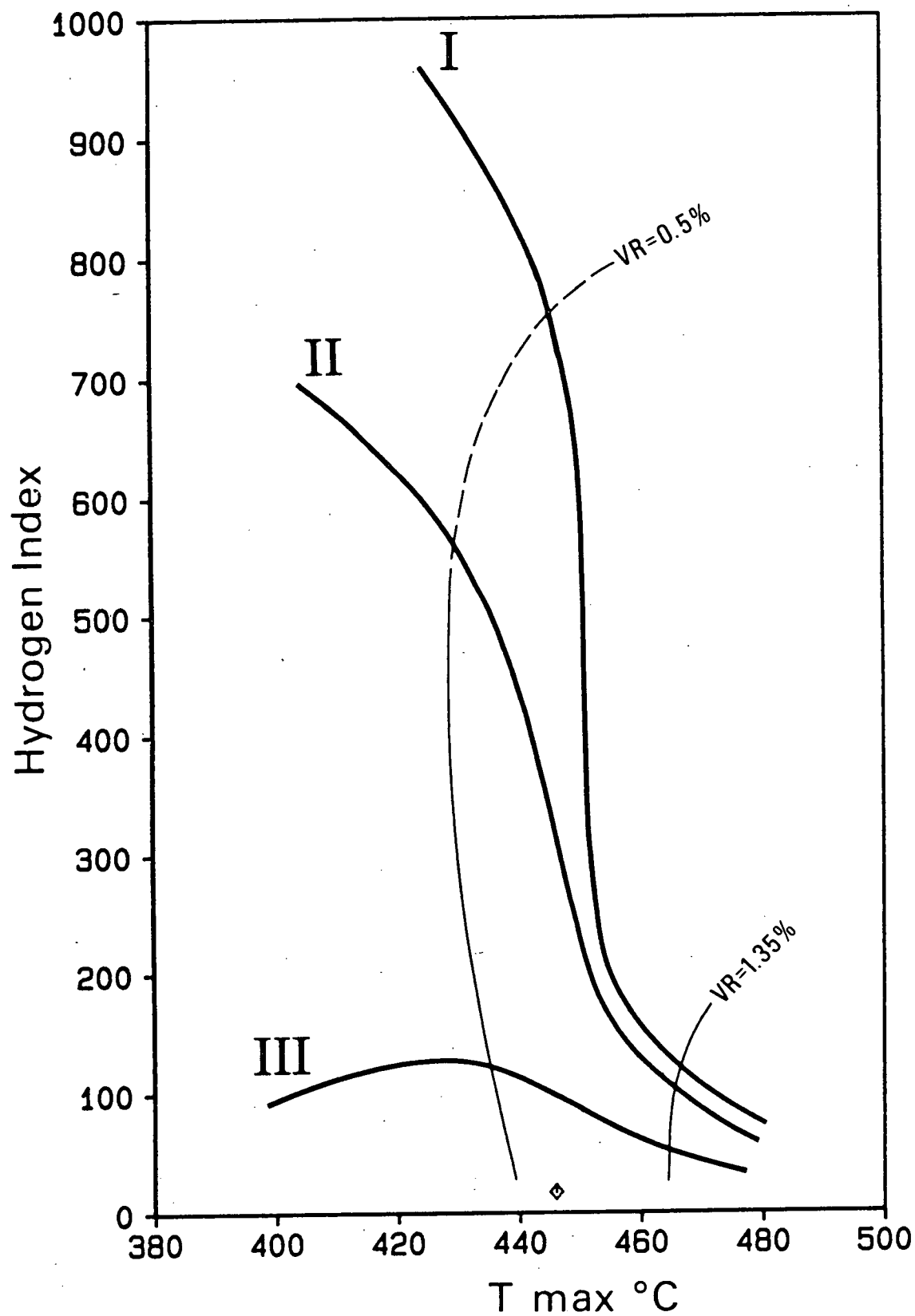
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Well name : MOOLION-1
Interval : TOOLACHEE FORMATION



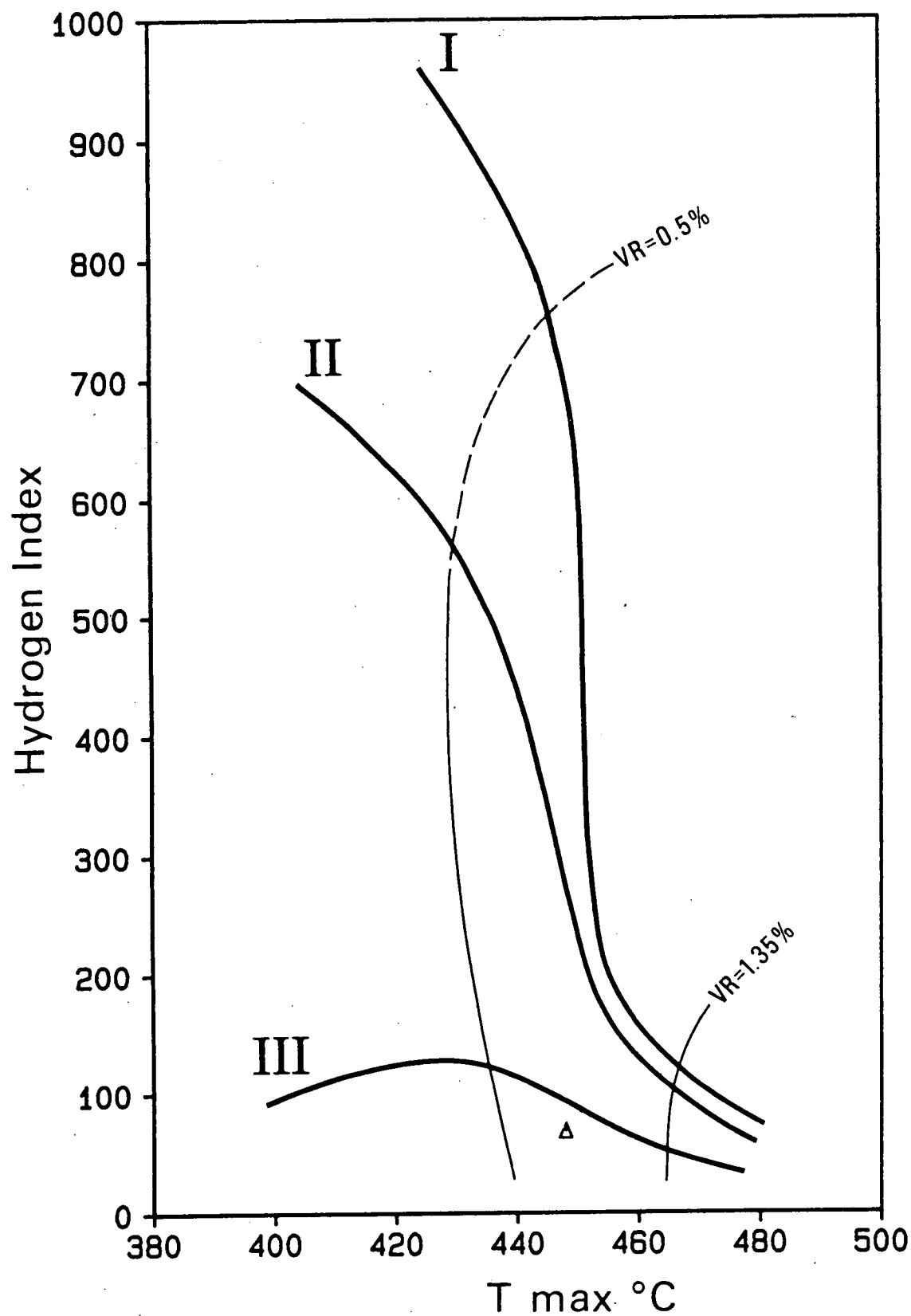
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Well name : MOOLION-1
Interval : EPSILON FORMATION



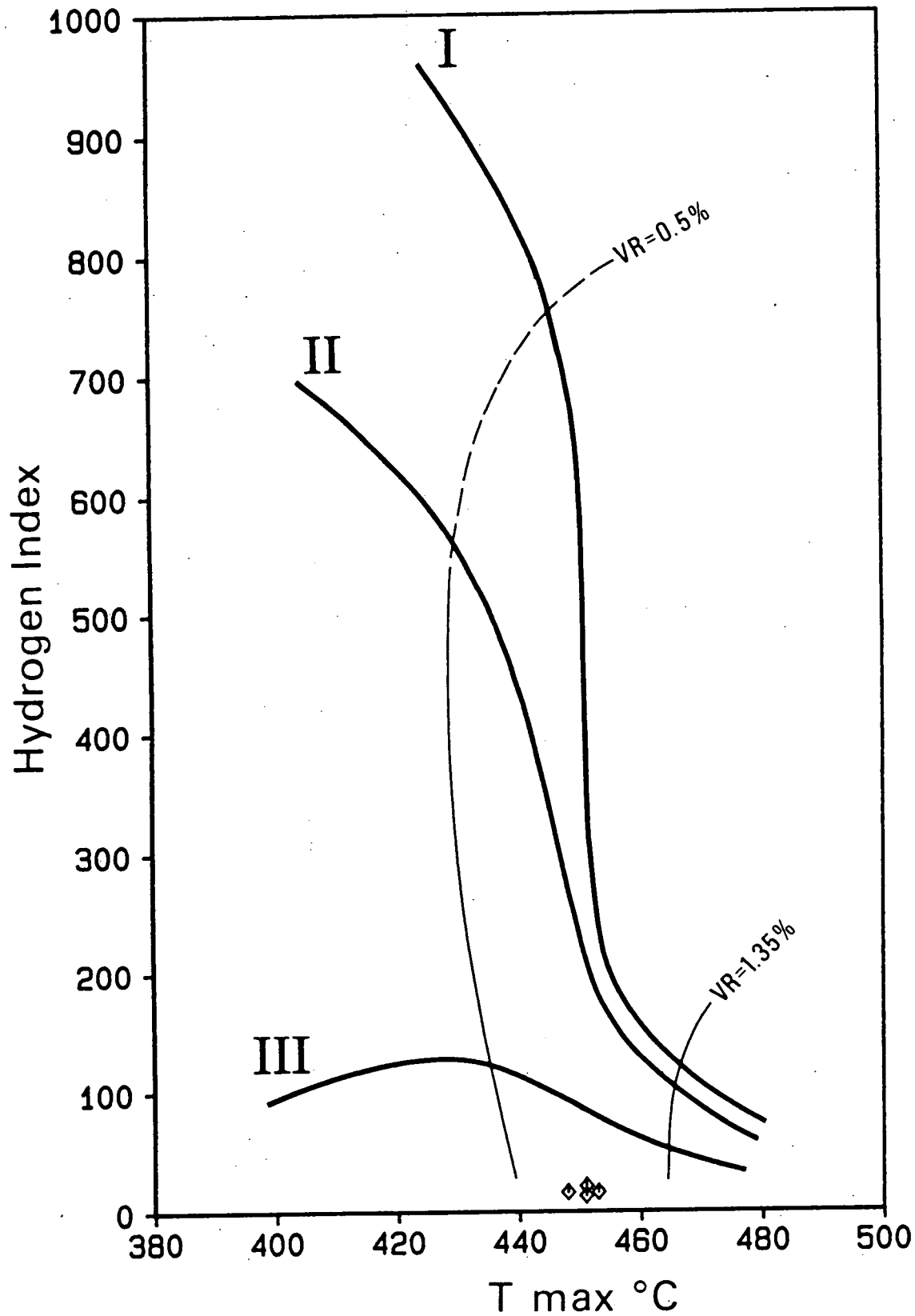
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Well name : MOOLION-1
Interval : MURTEREE SHALE



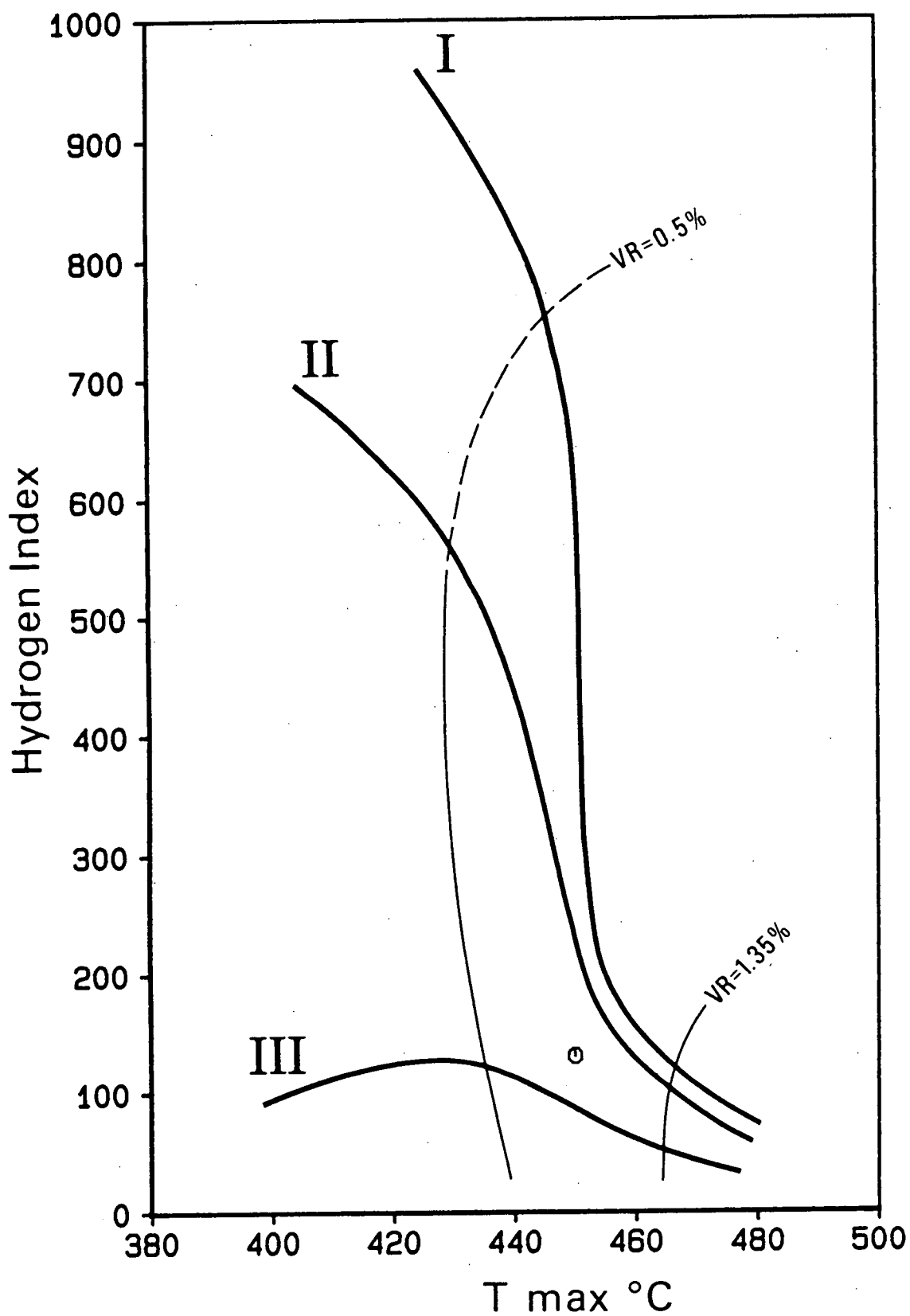
00089

Client : DELHI PETROLEUM
Well name : MOOLION-1
Interval : PATCHAWARRA FORMATION



00090

Client : DELHI PETROLEUM
Well name : MOOLION-1
Interval : TIRRAWARRA SANDSTONE



00091

Client : DELHI PETROLEUM
Well name : MOOLION-1
Interval : MERRIMELIA FORMATION

