

Denne rapport
tilhører,

 STATOIL

99.595-274-12

L&U DOK.SENTER

L.NR. 12480060034

KODE Well 34/10-9 nr 40

Returneres etter bruk

Formation testing service report

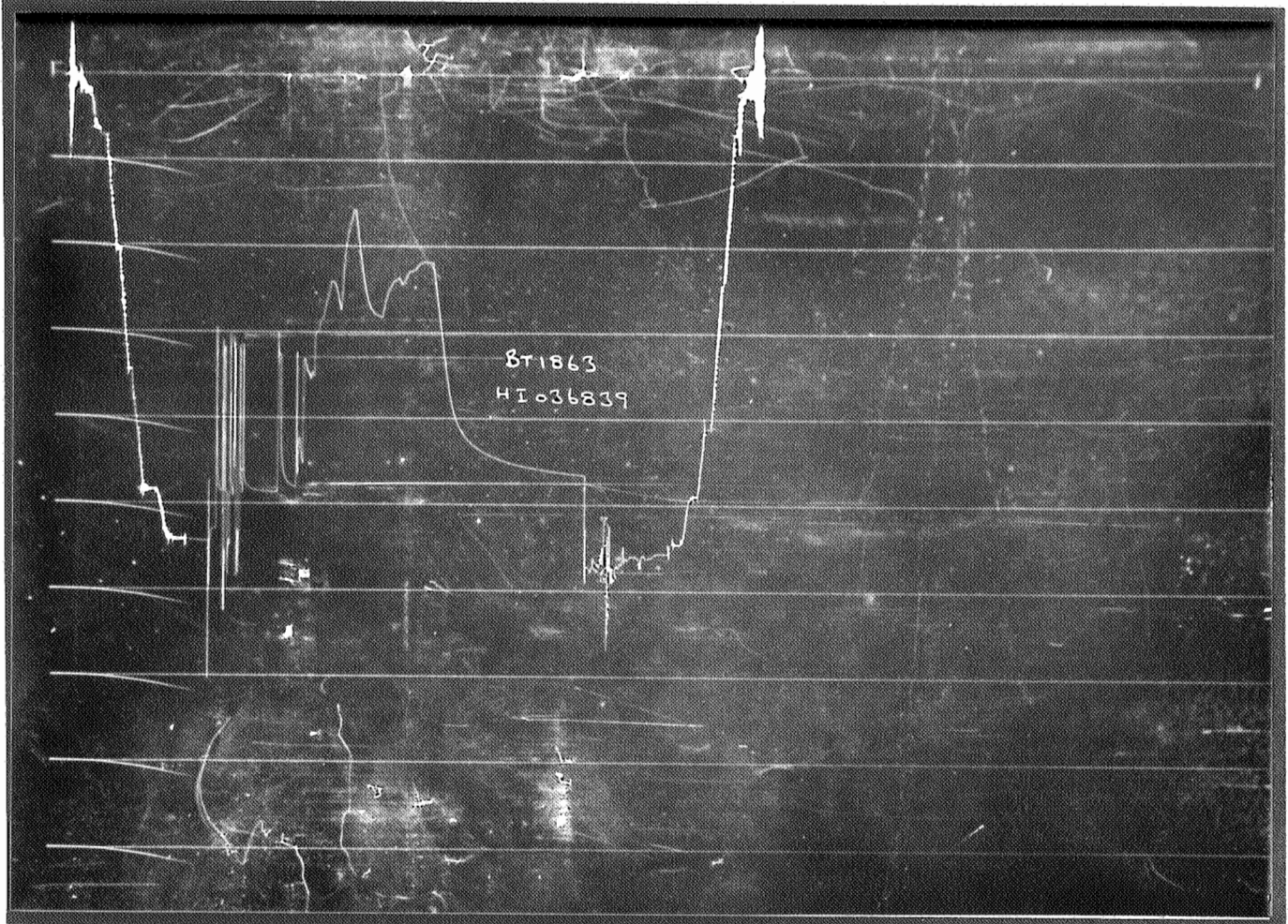


HALLIBURTON

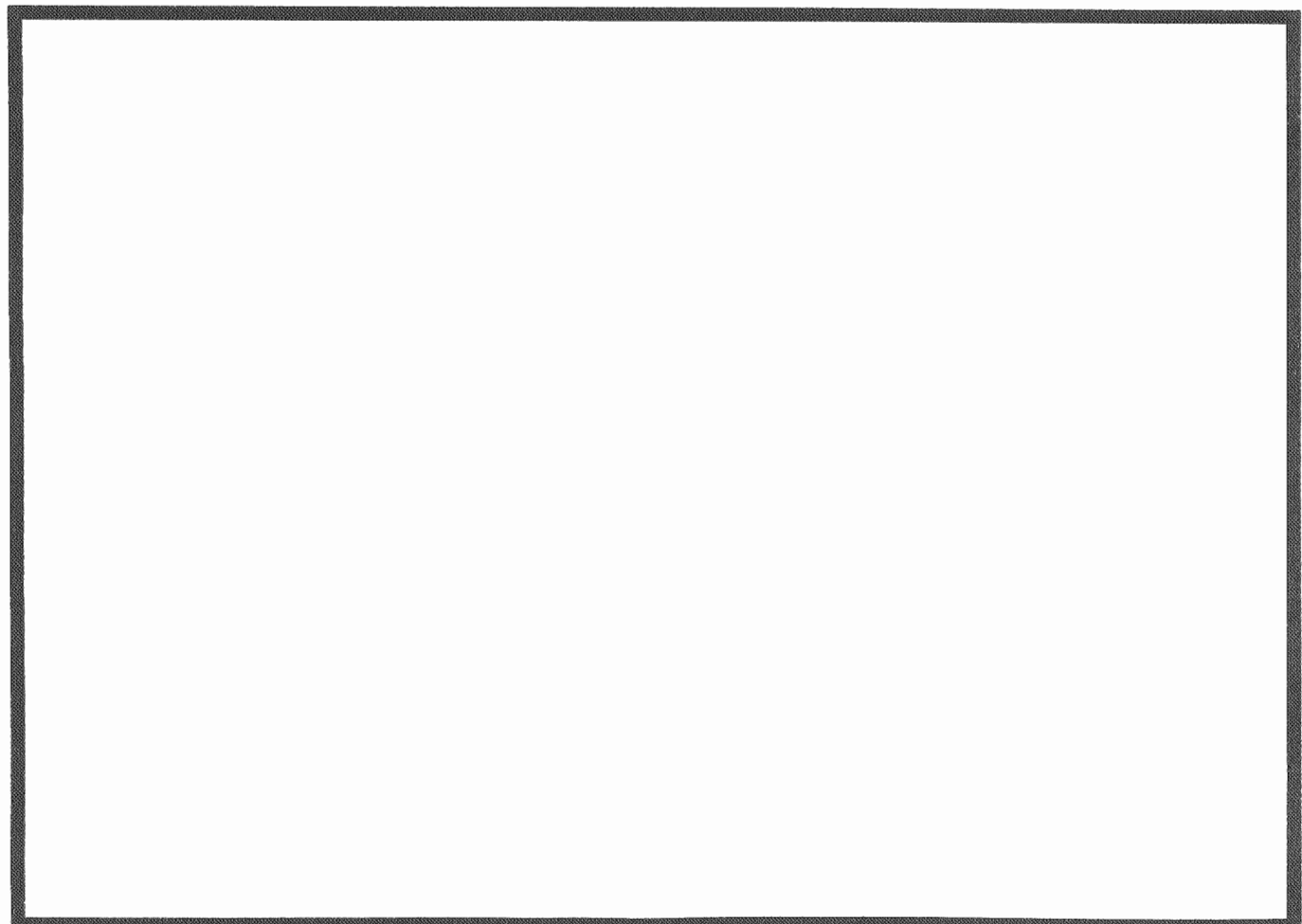
MANUFACTURING & SERVICES LTD.

REGISTERED IN ENGLAND

Pressure



RPG time BT time



Each horizontal line = 1000 psi

34/10

9

1

2103 - 2109 M

STATOIL

Legal Location Sec - Twp - Rng. Lease Name Well No. Test No. Tasted Interval County State Lease Owner/Company Name

FLUID SAMPLE DATA				Date	Ticket Number
Sampler Pressure _____ P.S.I.G. at Surface				Date	JUNE 14, 1980
Recovery: Cu. Ft. Gas _____				Kind of Job	HOOKWALL APR DST
cc. Oil _____				Halliburton District	STAVANGER, NORWAY
cc. Water _____				Tester	MIKE MITCHELL
cc. Mud _____				Witness	B. HANSSON
Tot. Liquid cc. _____				Drilling Contractor	ODFJEIL DRILLING & CONSULTING CO.A.S.
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA	
Gas/Oil Ratio 432 _____ cu. ft./bbl.				Formation Tested	COOK SANDS
RESISTIVITY _____ CHLORIDE CONTENT _____				Elevation	25 Mt (RT) 82 (RT) Ft.
Recovery Water @ _____ °F. _____ ppm				Net Productive Interval	6 Mt 19.7 Ft.
Recovery Mud @ _____ °F. _____ ppm				All Depths Measured From	ROTARY TABLE
Recovery Mud Filtrate @ _____ °F. _____ ppm				Total Depth	2127 Mt (BP) 6968.8 (BP) Ft.
Mud Pit Sample @ _____ °F. _____ ppm				Main Hole/Casing Size	9 5/8" 47# & 7" 29# LINER
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Drill Collar Length	I.D. 2.25
Mud Weight _____ vis _____ cp				Drill Pipe Length	I.D. _____
				Packer Depth(s)	_____ Ft
				Depth Tester Valve	_____ Ft
Cushion	TYPE	AMOUNT	Depth Back	Surface	Bottom
	SEA WATER	FULL	Pres. Valve	Choke	Choke
			NONE		2.25 IN.
Recovered	Feet of				
Recovered	Feet of				
Recovered	Feet of				
Recovered	Feet of				
Recovered	Feet of				
Remarks	SLOW SLUGGING FLOW.				
	MINIMUM/MAXIMUM PRESSURE-UP READINGS FROM 02.03 - 11.19 15TH JUNE ARE				
	RECORDED ON INSIDE COVER				
TEMPERATURE	Gauge No. 1863	Gauge No.	Gauge No.	TIME	
	Depth: 6867 Ft	Depth	Depth		
Est 190 °F.	14226 - 120 Hour Clock	Blanked Off	Blanked Off	Tool	A.M.
	Blanked Off NO	Blanked Off	Blanked Off	Opened	P.M.
Actual °F.	(Run below perf. tbg)			Opened	A.M.
	Pressures			Bypass	P.M.
	Field	Office	Field	Office	Field
Initial Hydrostatic	5305	5448			
Flow - Initial	3213	3233			
Flow - Final	3270	3276			
Closed in	4817	4814			
Flow - Initial	3270	3250			
Flow - Final	2236	2197			
Closed in	4674	4662			
low Initial					
low Final					
Hydrostatic		5465			

FORMATION TEST DATA

HI036839

MINIMUM/MAXIMUM READINGS

02.03 15TH - 11.19 15TH

BT 1863

<u>TIME DEFL</u>	<u>TIME MINUTES</u>	<u>PRESSURE</u>
.087	132	7043
.090	136	4734
.092	139	5963
.122	184	2951
.147	222	3098
.148	224	6252
.152	230	5537
.153	231	6255
.156	236	3182
.165	249	5834
.176	266	3032
.185	280	4917
.190	287	3063
.192	290	4589
.194	293	3144
.195	295	4369
.196	296	3219
.200	302	5859
.206	311	5306
.207	313	5820
.215	325	3164
.225	340	4889
.227	343	3153
.368	556	4874

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1400						PICK UP 2 JOINTS 2 7/8 + BG & PERFORATED
						2 7/8 JOINT. START MAKING UP DST STRING.
1407						120 HR. CLOCK 14226 ENGAGED IN BT
						1863.
1517						APR-N TESTER VALVE MADE UP IN STRING
						& R.I.H. MAKE UP APR-A REVERSE SUB
						IN STRING.
						PICK UP 1 STD DC.
						PICK UP 2 SLIP JOINTS.
						PICK UP 1 STD DC.
						MAKE UP RTTS CIRCULATING VALVE IN STRING.
						PICK UP 5 STDS DC.
						PICK UP 2 SLIP JOINTS.
1715						PICK UP 1 STD 3 1/2 TBG & RIG LINES TO
						PRESSURE TEST DST STRING.
1738						TESTED DST STRING TO 2500 PSI & RESUMED
						RIH.
						AFTER RIH 20 STDS RIG LINES & TESTED
						STRING TO 2500 PSI.
						AFTER RIH 40 STD RIG LINES & TESTED
						STRING TO 2500 PSI
2150						FINISHED RIH 60 STDS TBG. RIGGED LINES
						TO TEST DST STRING BEFORE PICKING UP
						SUB SEA TREE & LANDING STRING.
						PRESSURIZED STRING TO 2500 PSI & GOT
						INDICATIONS OF PUMP THROUGH A LEAK.

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
						STOPPED PUMPING, PRESSURE DROPPED TO
						2100 PSI.
						RELEASED TBG PRESSURE & CLOSED RELEASE
						VALVE. TBG PRESSURE CAME BACK UP TO
						2000 PSI WITHOUT PUMPING.
						RELEASED PRESSURE & CLOSED RELEASE
						VALVE. NO PRESSURE INCREASE ATTEMPTED
						TO PRESSURIZE TBG. AGAIN. PUMPING
						THROUGH AT APPROXIMATELY 200 PSI
						RELEASED PRESSURE.
						PRESSURED UP ON TBG SLOWLY IN 1000 PSI
						STAGES TO 4000 PSI.
						PRESSURE HOLDING O.K.
						START PICKING UP SUB SEA TREE,
						LUBRICATOR VALVE & LANDING STRING.
						PICK UP TEST HEAD.
JUNE 15						
0203						SET RTTS PACKER
0205						HUNG-OFF
						RIGGED KILL LINES & FLOW LINES.
						PRESSURIZED TBG TO TEST STRING TO
						4000 PSI. PRESSURE DROPPED TO 2000 PSI
						PRESSURED BACK UP TO 4000 PSI.
						PRESSURED HOLDING FOR 8 MINUTES.
						CLOSED FLOPETROL E-Z TREE VALVE WITH
						4000 PSI ON APR-N VALVE. BLED SURFACE

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
						PRESSURE TO 500 PSI ON TBG. TO TEST
						E-Z TREE VALVE FROM BELOW. TEST O.K.
						PUT 4000 PSI ON TBG. ON TOP OF E-Z
						TREE VALVE & OPENED E-Z TREE VALVE.
						RELEASED PRESSURE ON TBG. & CLOSED
						RELEASE VALVE. PRESSURE INCREASED TO
						1700 PSI INDICATING A LEAK. ATTEMPTED
						TO PRESSURIZE TBG. TO 4000 PSI TO TEST
						FLOPETROL LUBRICATOR VALVE. PRESSURED
						UP TO 3000 PSI BUT PRESSURE DROPPED
						SLOWLY TO 2500 PSI. RELEASED TBG. PRESSURE
0644						PRESSURIZED ANNULUS TO 1500 PSI TO
						CYCLE APR TESTER VALVE OPEN.
0648						RELEASED ANNULAR PRESSURE CLOSING
						TESTER VALVE.
0707						PRESSURIZE TBG. TO 2750 PSI PUMPING
						THROUGH. STOP. PRESSURE DROPPED TO
						2500 PSI.
0712						PRESSURIZE ANNULUS TO 1500 PSI TO
						CYCLE TESTER VALVE OPEN.
0716						BRING TBG. PRESSURE UP TO 2750 PSI
						PRESSURE DROPPING SLOWLY.
0719						INCREASE ANNULUS PRESSURE TO 1800 PSI
0723						RELEASE ANNULAR PRESSURE CLOSING
						TESTER VALVE.
0725						RELEASE DP PRESSURE

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0726						CLOSE RELEASE VALVE.
0728						1000 PSI ON TBG. & RISING SLOWLY.
0744						PRESSURIZE ANNULUS TO 1700 PSI
						OPENING TESTER VALVE. CLOSE FLOPETROL
						LUBRICATOR VALVE & DECREASE SURFACE
						PRESSURE TO TEST VALVE. LUBRICATOR
						VALVE TESTED O.K.
0805						CLOSE MASTER VALVE ON TEST HEAD.
						BEGIN TESTING SURFACE LINES.
1110						SURFACE EQUIPMENT TESTED
1114						PRESSURIZED MASTER VALVE TO 1675 PSI
						& OPENED MASTER VALVE.
1119		48/64				OPENED WELL UP ON ADJUSTABLE CHOKE.
						PRESSURE DROPPED RIGHT TO ZERO.
1120		48/64	50	56		
1125		"	50	56		
1134						SHUT IN @ CHOKE MANIFOLD. TOTAL VOLUME
						OF CUSHION RECOVERED 4.23 BBL
1135		"	50	54		
1136		"	450	54		
1137		"	750	54		
1140		"	1100	54		
1145		"	1245	53		
1147		"	1290	54		
1202		"	1455	54		
1207		"	1484	55		

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1217		48/64	1522	55		
1227		"	1547	56		
1240		"	1575	56		
1300		"	1603	56		
1309						OPEN KILL VALVE ON FLOWHEAD.
1310						RELEASE ANNULAR PRESSURE CLOSING APR-N TESTER VALVE.
1311						BLEED OFF W.H.P. OPENING RELEASE ON CEMENT UNIT.
1315						PRESSURE ANNULUS TO 1500 PSI OPENING TESTER VALVE.
1317						CLOSE KILL VALVE ON FLOWHEAD.
1320		10/64				OPEN WELL ON ADJUSTABLE CHOKE TO GAUGE TANK.
1325		"	1045	57		
1330		"	1060	57	152	
1345		"	1328	56	76	
1352		16/64				INCREASE ADJUSTABLE CHOKE.
1355		"	120			
1400			155	54	254	
1415		"	315	54	254	AT 1445 HR. BSW 80%
1430		"	380	52	216	
1500		20/64				INCREASE ADJUSTABLE CHOKE SIZE.
1515		"	60	52	520	BSW 100%
1530		"	75	52	393	
1600		"	147	53	431	BSW 90%

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1700		20/64	280	58	152	BY-PASS GAUGE & FLOW TO BURNER
1730		"	507	56		BSW 90%
1740		24/64				INCREASE ADJUSTABLE CHOKE.
1743		24/64				CHANGE TO FIXED CHOKE.
1745		"	520	56		BSW 5%
1800		"	355	54		
1815		"	242	55		1% SOLIDS.
1900		"	107	55		CHANGE TO ADJUSTABLE CHOKE.
1902		20/64				DECREASE ADJUSTABLE CHOKE.
1906		16/64				DECREASE ADJUSTABLE CHOKE.
1915		"	187	55		GAS ONLY @ SURFACE
1930		"	283	56		45% SOLIDS 5% WATER
2000		"	483	56		
2030		"	611	56		
2100		"	645	55		
2130		"	642	54		.1% SOLIDS .2% WATER
2152		20/64				INCREASE ADJUSTABLE CHOKE
2154		"	630	54		
2200		"	577	54		.1% SOLIDS .4% WATER
2230		"	512	53		.3% WATER
2400		"	487	95.86	184.6	.854 SP.GR. 53°F .4% BSW
JUNE 16						
0100		"	401	107.17	286	52°F .854 SP.GR. OIL .675 SP.GR. GAS
0200		"	372	105.01	298.5	52°F .854 SP.GR. OIL .5 BSW .675 SP.GR. GAS
0300		"	376	95.86	222	52°F .854 SP.GR. OIL .675 SP.GR. GAS
						SHUT IN WELL AT CHOKE MANIFOLD

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
						FOR BUILD UP. DWT READINGS.
0301			389			
0305			422			
0310			453			
0320			532			
0330			620			
0400			900			
0500			1538			
0600			1818			
0700			1941			
0800			2024			
1000			2125			
1200			2192			
1400			2231			
1600			2263			
1800			2284			
1834						PUMPING MUD WITH CEMENT UNIT (BULLHEADING). 60 BBL
2048						PRESSURIZED ANNULUS TO 2900 PSI & SHEARED APR-A REVERSE CIRCULATING VALVE.
2235						STOP REVERSING OUT. START CIRCULATING THE LONG WAY.
0335						UNSEAT PACKER & START POH
0940						REACHED FIRST SLIP JOINTS.
1130						REACHED APR-N TESTER.
						LAYING DOWN TOOLS.

DESCRIPTION

LENGTH

SURFACE TREE

X-OVER 6 $\frac{1}{2}$ - 4 ACME X 3 $\frac{1}{2}$ TDS PIN

3 $\frac{1}{2}$ TDS TUBING

X-OVER 3 $\frac{1}{2}$ TDS BOX X 4 $\frac{1}{2}$ - 4 ACME PIN

LUB VALVE

X-OVER 4 $\frac{1}{2}$ - 4 ACME PIN X 3 $\frac{1}{2}$ TDS PIN

3 $\frac{1}{2}$ TDS TUBING PUP JOINT 4M

3- TDS TUBING. 7 STDS

X-OVER 3 $\frac{1}{2}$ TDS BOX X 4 $\frac{1}{2}$ - 4 ACME PIN

E-Z SUB TEST TREE & LATCH

X-OVER 4 $\frac{1}{2}$ - 4 ACME PIN X 3. TDS BOX

SLICK JOINT + 3 $\frac{1}{2}$ TDS TUBING

X-OVER 3 $\frac{1}{2}$ TDS BOX X 4 $\frac{1}{2}$ ACME PIN

FLUTED HANGER

X-OVER 4 $\frac{1}{2}$ - 4 ACME PIN X 3 $\frac{1}{2}$ TDS BOX

.66

X-OVER 3 $\frac{1}{2}$ TDS PIN X PIN

<u>DESCRIPTION</u>	<u>I. D.</u>	<u>O. D.</u>	<u>LENGTH</u>	<u>DEPTH</u>
3½ TDS TUBING	2.750	3.50	5298.91	
X-O 3½ TDS BOX X 3½ IF PIN		4.75	1.50	
SLIP JOINT (OPEN)	2.25	5.00	18.17	
SLIP JOINT (CLOSED)	2.25	5.00	13.17	
DRILL COLLARS (5 STANDS)	2.25	4.75	465.90	
X-O 3½ IF BOX X 2 7/8 8 RD EUE PIN	2.438	4.75	0.79	
7" RTTS CIRCULATING VALVE	2.44	4.87	2.74	
X-O 2 7/8 8RD EUE BOX X 3½ IF PIN	2.25	5.00	0.69	
DRILL COLLARS (1 STAND)	2.25	4.75	93.18	
SLIP JOINT (CLOSED)	2.25	5.00	13.17	
SLIP JOINT (CLOSED)	2.25	5.00	13.17	
DRILL COLLARS (1 STAND)	2.25	4.75	93.18	
5" APR-A REVERSE VALVE	2.25	5.03	3.00	
5" APR-N TESTER VALVE (1.7 FT)	2.25	5.03	12.78	
4 5/8" HYDRAULIC BY-PASS	2.25	4.63	6.32	
4 5/8" BIG JOHN JARS	2.37	4.63	5.00	
7" RTTS SAFETY JOINT	2.44	5.00	3.00	
7" RTTS PACKER BODY (CENTRE RUBBER UP)	2.40	5.75	1.69	6786.45
<hr/>				
7" RTTS PACKER BODY (CENTER RUBBER DOWN)	2.40	5.75	2.67	
X-OVER 2 7/8 8RD EUE PIN X 2 7/8 10 N PIN	2.50	2.875	0.71	
PERFORATED TUBING 2 7/8 10 N BOX X 2 7/8 8RD EUE BOX			10.83	
X-O 2 7/8 8RD EUE PIN X 2 3/8 8RD EUE PIN	2.00	2.875	0.83	
BAKER "F" NIPPLE	1.81	2.375	0.79	
X-O 2 3/8 8RD EUE BOX X 2 7/8 8RD EUE PIN	2.00	2.875	1.00	
2 7/8 TUBING (2 JOINTS)	2.441	2.875	62.50	
X-O 2 7/8 8RD EUE BOX X 2 7/8 8RD DP PIN		2.875	0.31	
BT RUNNING CASE		3.875	5.48	
			TD	6871.57

COMPANY: STATOIL NORWAY
TICKET NO: H030839
GAUGE NO: 1803

1ST FLOW ----- 2, 5 MINUTE INTERVALS. LAST INTERVAL= 5 MINS.
TOTAL 15 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	1.118	3233	0
P1	5	.003	1.125	3253	20
P2	10	.007	1.131	3270	17
P3	15	.010	1.133	3276	6

COMPANY: STATOIL NORWAY
 TICKET NO: H036839
 GAUGE NO: 1863

1ST CLOSURE ----- 18, 5 MINUTE INTERVALS. LAST INTERVAL= 7 MINS.
 TOTAL 97 MINUTES

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	1.133	3276	0	
P1	5	.003	1.496	4320	1044	.6368
P2	10	.007	1.568	4525	205	.3954
P3	15	.010	1.594	4600	75	.3010
P4	20	.013	1.611	4648	48	.2478
P5	25	.017	1.624	4685	37	.2009
P6	30	.020	1.632	4708	23	.1761
P7	35	.023	1.638	4725	17	.1568
P8	40	.026	1.643	4740	15	.1413
P9	45	.030	1.649	4757	17	.1249
P10	50	.033	1.652	4765	8	.1150
P11	55	.036	1.655	4774	9	.1065
P12	60	.040	1.657	4780	6	.0969
P13	65	.043	1.660	4788	8	.0908
P14	70	.046	1.662	4794	6	.0854
P15	75	.050	1.664	4800	6	.0792
P16	80	.053	1.666	4805	5	.0751
P17	85	.056	1.667	4808	3	.0714
P18	90	.060	1.668	4811	3	.0669
P19	97	.064	1.669	4814	3	.0631

COMPANY: STATOIL NORWAY
 TICKET NO: HJ36839
 GAUGE NO: 1303

2ND FLOW

82, 10 MINUTE INTERVALS. LAST INTERVAL= 7 MINS.
 TOTAL 827 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	1.124	3250	0
P1	10	.007	1.618	4668	1418
P2	20	.013	1.468	4240	428
P3	30	.020	1.551	4477	237
P4	40	.026	1.573	4540	63
P5	50	.033	1.149	3322	1218
P6	60	.040	1.191	3443	121
P7	70	.046	1.199	3466	23
P8	80	.053	1.210	3498	32
P9	90	.060	1.221	3530	32
P10	100	.066	1.201	3472	58
P11	110	.073	1.218	3521	49
P12	120	.079	1.040	3008	513
P13	130	.086	1.036	2997	11
P14	140	.093	1.010	2922	75
P15	150	.099	.989	2862	60
P16	160	.106	.977	2828	34
P17	170	.112	.948	2744	84
P18	180	.119	.917	2656	88
P19	190	.126	.890	2578	78
P20	200	.132	.863	2501	77
P21	210	.139	.834	2418	83
P22	220	.145	.832	2412	6
P23	230	.152	.842	2441	29
P24	240	.159	.868	2515	74
P25	250	.165	.892	2584	69
P26	260	.172	.932	2699	115
P27	270	.179	.949	2747	48
P28	280	.185	.827	2398	349
P29	290	.192	.732	2126	272
P30	300	.198	.681	1979	147
P31	310	.205	.635	1846	133
P32	320	.212	.602	1751	95
P33	330	.218	.586	1705	46
P34	340	.225	.549	1598	107
P35	350	.231	.545	1586	12
P36	360	.238	.581	1690	104
P37	370	.245	.647	1881	191
P38	380	.251	.702	2040	159
P39	390	.258	.754	2189	149
P40	400	.265	.805	2335	146
P41	410	.271	.844	2446	111
P42	420	.278	.880	2550	104

COMPANY: STATOIL NORWAY
 TICKET NO: H036839
 GAUGE NO: 1803

2ND FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	430	.284	.904	2618	68
P44	440	.291	.927	2684	66
P45	450	.298	.944	2733	49
P46	460	.304	.954	2762	29
P47	470	.311	.963	2787	25
P48	430	.317	.967	2799	12
P49	490	.324	.971	2810	11
P50	500	.331	.974	2819	9
P51	510	.337	.976	2825	6
P52	520	.344	.980	2836	11
P53	530	.351	.940	2722	114
P54	540	.357	.916	2653	69
P55	550	.364	.892	2584	69
P56	560	.370	.873	2530	54
P57	570	.377	.858	2487	43
P58	530	.384	.842	2441	46
P59	590	.390	.831	2409	32
P60	600	.397	.831	2409	0
P61	610	.403	.824	2389	20
P62	620	.410	.821	2381	8
P63	630	.417	.832	2412	31
P64	640	.423	.846	2452	40
P65	650	.430	.840	2435	17
P66	660	.436	.826	2395	40
P67	670	.443	.810	2349	46
P68	680	.450	.799	2318	31
P69	690	.456	.792	2297	21
P70	700	.463	.793	2300	3
P71	710	.470	.789	2289	11
P72	720	.476	.786	2280	9
P73	730	.483	.776	2252	28
P74	740	.489	.769	2232	20
P75	750	.496	.762	2212	20
P76	760	.503	.758	2200	12
P77	770	.509	.755	2191	9
P78	730	.516	.752	2183	8
P79	790	.522	.755	2191	8
P80	800	.529	.756	2194	3
P81	810	.536	.757	2197	3
P82	820	.542	.757	2197	0
P83	827	.547	.757	2197	0

COMPANY : STATOIL NORWAY
 TICKET NO : H036839
 GAUGE NO : 1863

2ND CLOSURE

61, 15 MINUTE INTERVALS. LAST INTERVAL= 21 MINS.
 TOTAL 936 MINUTES

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P0	0	.000	.757	2197	0	
P1	15	.010	.841	2438	241	1.7536
P2	30	.020	.918	2659	221	1.4601
P3	45	.030	.996	2882	223	1.2915
P4	60	.040	1.076	3112	230	1.1739
P5	75	.050	1.156	3342	230	1.0842
P6	90	.060	1.227	3547	205	1.0121
P7	105	.069	1.287	3720	173	.9577
P8	120	.079	1.341	3876	156	.9058
P9	135	.089	1.377	3979	103	.8608
P10	150	.099	1.406	4062	83	.8213
P11	165	.109	1.427	4122	60	.7860
P12	180	.119	1.444	4171	49	.7544
P13	195	.129	1.458	4211	40	.7257
P14	210	.139	1.470	4245	34	.6996
P15	225	.149	1.481	4277	32	.6756
P16	240	.159	1.491	4305	28	.6535
P17	255	.169	1.500	4331	26	.6330
P18	270	.179	1.507	4351	20	.6140
P19	285	.188	1.513	4368	17	.5980
P20	300	.198	1.519	4385	17	.5813
P21	315	.208	1.525	4402	17	.5656
P22	330	.218	1.530	4417	15	.5508
P23	345	.228	1.535	4431	14	.5369
P24	360	.238	1.540	4445	14	.5238
P25	375	.248	1.545	4460	15	.5113
P26	390	.258	1.549	4471	11	.4995
P27	405	.268	1.553	4482	11	.4883
P28	420	.278	1.557	4494	12	.4776
P29	435	.288	1.560	4502	8	.4675
P30	450	.298	1.563	4511	9	.4577
P31	465	.308	1.566	4520	9	.4485
P32	480	.317	1.569	4528	8	.4405
P33	495	.327	1.572	4537	9	.4319
P34	510	.337	1.575	4545	8	.4237
P35	525	.347	1.577	4551	6	.4158
P36	540	.357	1.579	4557	6	.4083
P37	555	.367	1.581	4562	5	.4010
P38	570	.377	1.583	4568	6	.3940
P39	585	.387	1.585	4574	6	.3873
P40	600	.397	1.587	4580	6	.3808
P41	615	.407	1.589	4585	5	.3745
P42	630	.417	1.591	4591	6	.3684

COMPANY : STATOIL NORWAY
 TICKET NO : H036839
 GAUGE NO : 1863

2ND CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	645	.427	1.593	4597	6	.3626
P44	660	.436	1.595	4602	5	.3575
P45	675	.446	1.596	4605	3	.3520
P46	690	.456	1.598	4611	6	.3466
P47	705	.466	1.599	4614	3	.3415
P48	720	.476	1.600	4617	3	.3365
P49	735	.486	1.601	4620	3	.3316
P50	750	.496	1.603	4625	5	.3269
P51	765	.506	1.604	4628	3	.3224
P52	780	.516	1.606	4634	6	.3180
P53	795	.526	1.607	4637	3	.3136
P54	810	.536	1.608	4640	3	.3095
P55	825	.546	1.609	4642	2	.3054
P56	840	.556	1.610	4645	3	.3014
P57	855	.565	1.611	4648	3	.2979
P58	870	.575	1.612	4651	3	.2942
P59	885	.585	1.613	4654	3	.2905
P60	900	.595	1.614	4657	3	.2869
P61	915	.605	1.615	4660	3	.2835
P62	936	.619	1.616	4662	2	.2787

Nomenclature

b	= Approximate Radius of Investigation	Feet
b₁	= Approximate Radius of Investigation (Net Pay Zone h ₁)	Feet
D.R.	= Damage Ratio	—
EI	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h₁	= Net Pay Thickness	Feet
K	= Permeability	md
K₁	= Permeability (From Net Pay Zone h ₁)	md
m	= Slope Extrapolated Pressure Plot (Psi ² /cycle Gas)	psi/cycle
OF₁	= Maximum Indicated Flow Rate	MCF/D
OF₂	= Minimum Indicated Flow Rate	MCF/D
OF₃	= Theoretical Open Flow Potential with /Damage Removed Max.	MCF/D
OF₄	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{ot}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbbls/day
Q₁	= Theoretical Production w/Damage Removed	bbbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

*Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.