

NOCS 7/12-6 W41.2 COPY 1

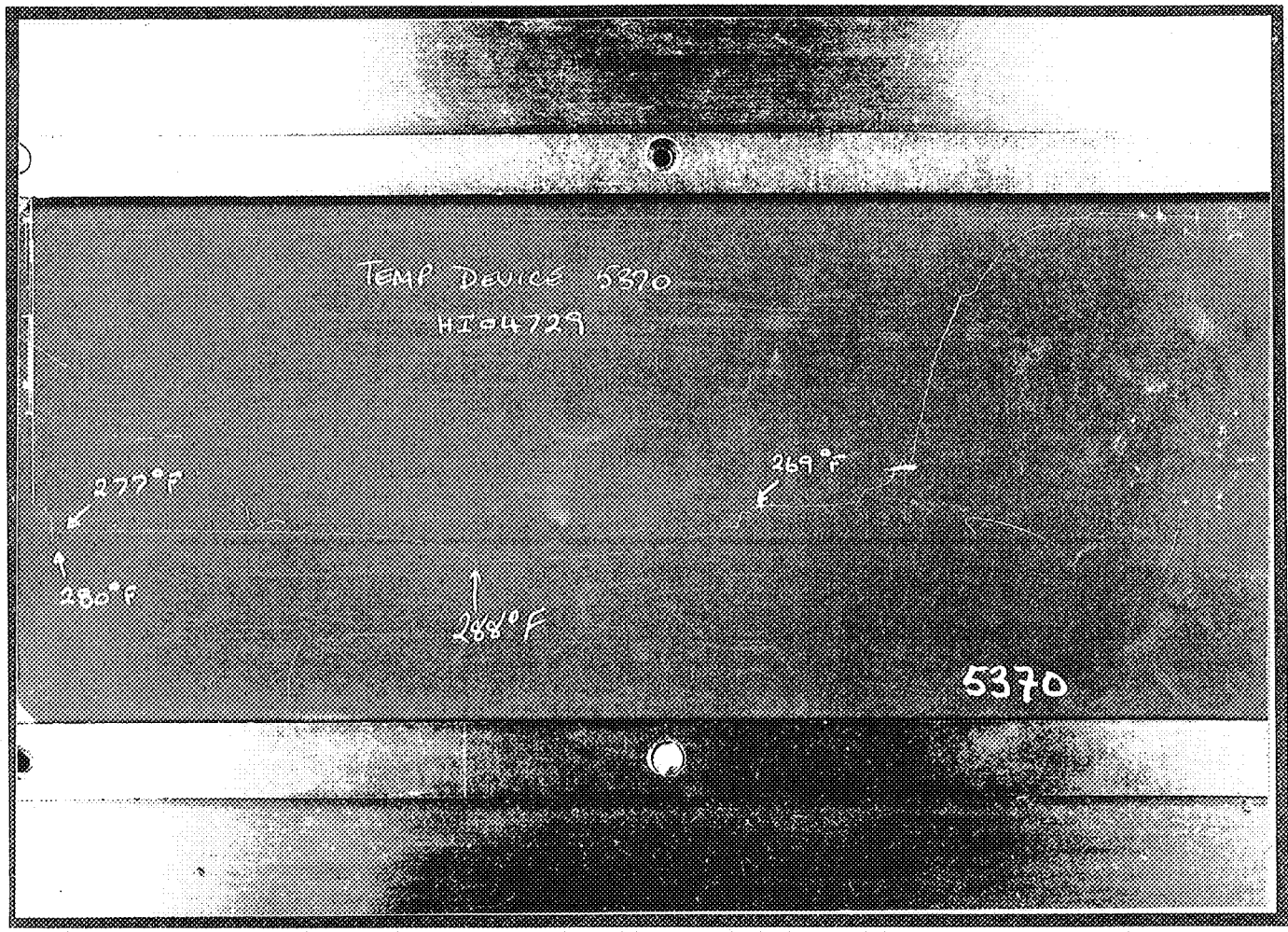


Formation testing service report



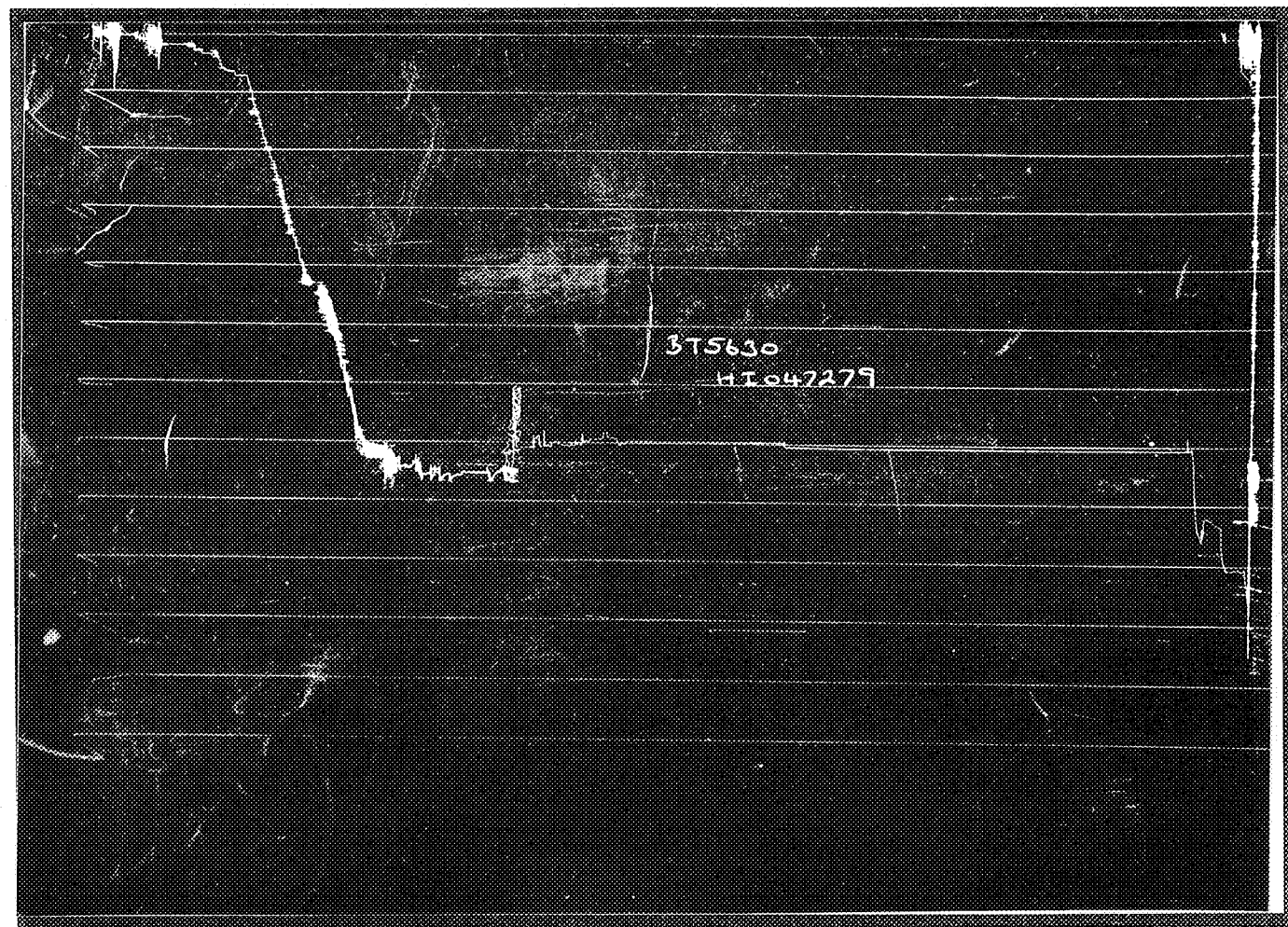
HALLIBURTON
MANUFACTURING & SERVICES LTD.
REGISTERED IN ENGLAND

Pressure



RPG time

BT time



Each horizontal line = 1000 psi

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FLUID SAMPLE DATA		Date	JULY 14, 1981	Ticket Number	047279
Sampler Pressure	P.S.I.G. at Surface	Kind of Job	DST 2	Halliburton District	STAVANGER
Recovery: Cu. Ft. Gas	_____	Tester	H. VANDERSMAN D. BRODIE	Witness	P. BUCKLY C. HENDERSON
cc. Oil	_____	Drilling Contractor	SEDCO (707)		
cc. Water	_____	EQUIPMENT & HOLE DATA			
cc. Mud	_____	Formation Tested	JURASIC		
Tot. Liquid cc.	_____	Elevation	24.2 M		
Gravity _____ * API @ _____ *F.		Net Productive Interval	3434 - 3511 M		
Gas/Oil Ratio _____ cu. ft./bbl.		All Depths Measured From	RKB		
		Total Depth	3523 BRIDGE PLUG		
		Main Hole/Casing Size	7" LINER 29		
		Drill Collar Length	677.5 FT I.D.		
		Drill Pipe Length	10063.39 FT I.D.		
		Packer Depth(s)	3412.85 M		
		Depth Tester Valve	3408.87 M		

TYPE	AMOUNT	FULL	Depth Back Pres. Valve	Surface Choke	ADJ.	Bottom Choke
Cushion SEA WATER			Feet			
Recovered	Feet of					
Recovered	Feet of					
Recovered	Feet of					
Recovered	Feet of					
Recovered	Feet of					

Remarks BT 5630 - A FLUSH/INJECTION PERIOD FOLLOWS THE 3RD CLOSURE. THE CLOCK RAN OUT AFTER 215 MINS OF THIS PERIOD.

RT-7 5370 - CHART READ FROM 19.35 15TH - 12.38 17TH JULY.

TEMPERATURE	Gauge No. 5370		Gauge No. 5630		Gauge No. TE-41		TIME	
	Depth: 3416.05 M		Depth: 3456.8 M		Depth: 3459.24 M			
Est. 300 *F.	F1943 - 120 Hour Clock		17680 - 72 Hour Clock		13314 - 120 Hour Clock		Tool Opened	A.M.
	Blanked Off		Blanked Off		Blanked Off		Tool Closed	P.M.
Actual 288 *F.	RT-7 TEMP.		Pressures		BT - TEMP.		Reported Minutes	Computed Minutes
	Field	Office	Field	Office	Field	Office		
Initial Hydrostatic				7520				
First Period Flow	Initial			6921				
	Final			6937			5	5
Closed in	MAX TEMP.			7083	GAUGE		65	64
Second Period Flow	Initial			6950	MALFUNCTION			
	Final			7033			22	21
Closed in				7071			15	14
Third Period Flow	Initial			6803				
	Final			6979			878	879
Closed in				7067			1457	1459
Final Hydrostatic				-				

Legal Location: 570 - 07 - 15.59 N
 Sec. Twp. - Rng. 020 50 - 03.4 E
 Lease Name: 7/12
 Well No.: 6
 Test No.: 2
 Tested Interval: 3434 M - 3511 M
 County: NORTH SEA
 State: NORWAY
 Lease Owner/Company Name: BP NORWAY

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

FLUID SAMPLE DATA		Date _____	Ticket Number _____								
Sampler Pressure _____ P.S.I.G. at Surface		Kind of Job _____	Halliburton District								
Recovery: Cu. Ft. Gas _____		Tester _____	Witness _____								
cc. Oil _____		Drilling Contractor _____									
cc. Water _____		EQUIPMENT & HOLE DATA									
cc. Mud _____		Formation Tested _____									
Tot. Liquid cc. _____		Elevation _____ Ft.									
Gravity _____ ° API @ _____ °F.	Gas/Oil Ratio _____ cu. ft./bbl.	Net Productive Interval _____ Ft.									
<table style="width:100%; border: none;"> <tr> <td style="text-align: center;">RESISTIVITY</td> <td style="text-align: center;">CHLORIDE CONTENT</td> </tr> <tr> <td>Recovery Water _____ @ _____ °F. _____ ppm</td> <td>Recovery Mud _____ @ _____ °F. _____ ppm</td> </tr> <tr> <td>Recovery Mud Filtrate _____ @ _____ °F. _____ ppm</td> <td>Mud Pit Sample _____ @ _____ °F. _____ ppm</td> </tr> <tr> <td>Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm</td> <td>Mud Weight _____ vis _____ cp</td> </tr> </table>		RESISTIVITY	CHLORIDE CONTENT	Recovery Water _____ @ _____ °F. _____ ppm	Recovery Mud _____ @ _____ °F. _____ ppm	Recovery Mud Filtrate _____ @ _____ °F. _____ ppm	Mud Pit Sample _____ @ _____ °F. _____ ppm	Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm	Mud Weight _____ vis _____ cp	All Depths Measured From _____ Ft.	
		RESISTIVITY	CHLORIDE CONTENT								
Recovery Water _____ @ _____ °F. _____ ppm	Recovery Mud _____ @ _____ °F. _____ ppm										
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm	Mud Pit Sample _____ @ _____ °F. _____ ppm										
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm	Mud Weight _____ vis _____ cp										
		Total Depth _____ Ft.									
		Main Hole/Casing Size _____									
		Drill Collar Length _____ I.D. _____									
		Drill Pipe Length _____ I.D. _____									
		Packer Depth(s) _____ Ft.									
		Depth Tester Valve _____ Ft.									

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion				
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			

Remarks

TEMPERATURE	Gauge No. TE-28		Gauge No.		Gauge No.		TIME	
	Depth: 3460.46 M		Depth:		Depth:			
Est. °F.	14227 - 120 Hour Clock		Hour Clock		Hour Clock		Tool Opened	A.M. P.M.
Actual °F.	BT-TEMP.		Pressures		Pressures		Tool Closed	A.M. P.M.
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic								
First Period	Flow Initial							
	Flow Final							
	Closed in							
Second Period	Flow Initial	GAUGE MALFUNCTION						
	Flow Final							
	Closed in							
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic								

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
JULY 14						
1830						PICK UP TOOLS.
2140						ONE STD. COLLAR OTO MASTER VALVE.
2145						FILL STRING WITH GELL.
2154			5000			PSI TEST OTO SAME.
2320						HOLDING OK.
2345						FILL GELL CUSHION WITH 2 BOTT SINGLE
						JOINTS IN
2400						RUN UPPER CIRC. VALVE + 1 STD. COLLAR AND
						FILL.
JULY 15						
0015			5000			PSI TEST SAME.
0103						HOLDING. RUN 4 STDS COLLARS.
0130						RUN 5 SLIP JOINTS.
0210						RUN 1 STD 3½ DRILL PIPE.
0230			5000			PSI TEST OTO SAME.
0245						HOLDING OK. RIH WITH DRILL PIPE.
0705			6000			PSI TEST HALFWAY IN.
0733						HOLDING OK.
1000						PASS THRU LINER TOP.
1043						TIGHT SPOT. LOST 20,000# ON W. INDIC.
						PULL BACK TWO STANDS TRY AGAIN. SAME
						WT LOSS. PULL BACK 2 STDS. SAME WT LOSS.
						GO DOWN FEW FEET MORE WT. LOSS 25,000#
						PIPE FELL - WT. INDIC. NORMAL.
1150						THRU TIGHT SPOT.

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
1215						RUN SSTT.
1259			7500			TEST WHOLE STRING.
1326						HOLDING OK. PICK UP + INSTALL FLOWHEAD
1426						+ SURFACE EQUIPMENT.
1435						SET DOWN IN WELLHEAD.
						RIG UP SFC EQUIP. PULL UP STRING TO SPACE
						OUT FLOWHOSES.
1510						TAG WELLHEAD.
1540			7500			TEST SURFACE LINES AGAINST DRILL PIPE
1625						HOLDING OK - BLEED BACK TO 3000 PSI.
1630						BLEED OFF TO ZERO.
1635						TEST SURFACE EQUIPMENT.
1758						PICK UP STRING TO SET RTTS.
1810						SET RTTS.
1820						CLOSE RAMS
1840						PRESSURE UP ON ANN. TO OPEN APR-N 1600 PSI.
1845						NO FLOW - BLEED OFF ANN. PSI.
1850						PRESSURE UP ON ANN. AGAIN.
						NO FLOW - BLEED OFF - OPEN RAMS.
1852						CHECK MUD FLOW ACROSS WELLHEAD.
1855						CLOSE RAMS.
1855						PRESSURE UP ON ANN. - NO FLOW.
1858						BLEED OFF ANN. OPEN RAMS - PICK UP STRING
						WT.
1905						TURN TO THE RIGHT - GOOD TORQUE INDIC. AFTER
						3 TURNS.

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
1910						SET WT. ON PACKER - CLOSE RAMS.
1912						PRESSURE UP ON ANN. 1600 PSI.
						D.P. TV. STILL NOT OPEN.
1920						BLEED OFF ANN. OPEN RAMS.
						CHECK MUD FLOW ACROSS WELLHEAD.
1925						PICK UP TO STRING WT.
1926						ROTATE 3½ TURNS - 2 BACK.
1932						SET BACK DOWN.
1934						CLOSE RAMS PRESSURE UP ON ANN. 1600PSI
1935						STRONG BLOW AT SURFACE. CHOKE MANIFOLD OPEN.
1936		28/64	1550			INITIAL 5 MIN. FLOW ADJ. CHOKE.
1937			1700			
1938			1750			
1939			1790			
1940			1810			BLEED OFF ANN. PSI APR-N CLOSED. CLOSE CHOKE MANIFOLD 1ST CIP.
1950						STRING PRESSURE 1330 PSI.
2040						STRING PRESSURE 812 PSI.
2044						OPEN APR-N 1000-1500 PSI.
2045		32/64				OPEN CHOKE MANIFOLD.
2046			1720			
2047			1750			
2048			1742			
2050			1815			
2055			2050			
2056		36/64				CHANGE CHOKE - ADJ.

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
2100			2020			
2102						OIL TO SURFACE.
2103		36/64	2290			ADJ. CHOKE.
2104			2900			
2105			3265			
2107						CHOKE MANIFOLD LEAKING - CLOSE SAME & APR-N
2112			2900			
2115			2750			
2120						WASHED OUT NEEDLE VALVE. REPLACE. OPEN CHOKE
						MANIFOLD.
2122						OPEN APR-N 1000-1500PSI.
2123			3300			SLUGGING.
2126			3320			
2127			3390			94°F WELLHEAD TEMP.
2130			3390			
2133						CHOKE PLUGGING.
2135			3400			CHOKE PLUGGED.
2149		28/64	3420			CHANGE TO FIXED CHOKE 91°F.
2155			3160			
2200			3160			99°F
2205			3165			START FLOWING THRU SEPARATOR.
2210			3175			103°F.
2220			3482			
2227		28/64				CHANGE BACK TO ADJ. CHOKE.
2230			3505			
2240			3515			

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
2250			3530			
2300		36/64	3500			CHANGE CHOKE ADJ.
2310			3515			
2315		44/64				CHANGE ADJ. CHOKE.
2317			3050			
2320			3310			
2325			3495			
2330			3485			
2335			3495			
2338		54/64				CHANGE ADJ. CHOKE.
2345			3000			
2350			3320			109° F
2355			3000			
2400			3290			
JULY 16						
0005			3045			CHANGE ADJ. CHOKE 123° F
0010			3000			136° F
0015			3045			
0020			330			146° F
0025			2980			
0030			3020			161° F
0035			3010			156° F
0040			2935			
0045		64/64	2945			CHANGE TO FIXED CHOKE 171° F
0100		64/64	1750			
0112		63/64				CHANGE ADJ. CHOKE.

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
0115			2850			
0130			2840			
0132		36/64				CHANGE TO FIXED CHOKE.
0135			2890			197° F
0145		36/64	2895			FIXED CHOKE 197° F
0147		32/64				CHANGE TO ADJ. CHOKE.
0150			3510			
0156		32/64				CHANGE TO FIXED CHOKE.
0157			3665			185° F
0200		32/64				CHANGE TO ADJ. CHOKE.
0201			3470			182° F
0205			3460			175° F
0215			3450			
0219		32/64				CHANGE TO FIXED CHOKE.
0220			3175			
0225			3182			
0230			3182			
0245			3189			182° F
0300			3194			186° F
0315			3192			188° F
0330			3198			190° F
0345			3202			192° F
0400			3202			
0445			3205			194° F
0500			3215			196° F
0600			3215			200° F

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
0700			3215			203° F
0800			3213			
0900			3217			204° F
1000			3216			
1100			3216			206° F
1130		32/64	3216			FIXED CHOKE 207° F
1200			3216	2985	7980	GOR 374
1200						BLEED OFF ANN. PRESSURE - CLOSE APR-N
						MAIN PRESSURE BUILD UP. RIG UP FOR
						INJECTION TEST.
JULY 17						
1217						PRESSURE UP ON ANN. TO OPEN APR-N
						FLUSH LINES WITH DIESEL UP TO LO TORQUE
						VALVE ON RIG FLOOR.
			3300			PSI BUILD UP IN STRING.
						EQUALIZE PRESSURE ON DOWN STRENGTH SIDE
						OF LO-TORQUE VALVE.
1258						OPEN SAME AND INJECT INTO FORMATION
1406						FINISHED PUMPING DIESEL (100 BBL)
						PUMP RATE PUMP PSI
1500						1 BPM 4800
1500						1 4800
1600						1/2 4800
1700						1/4 4600
1800						1/4 4800
1900						1/8-1/4 4400

Casing perf. _____ 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
						PUMP RATE PUMP PSI
2000						½ 4800
2100						1½ 5500
2115						1½ 5600
2200						2 4800
2300						2½ 3800
2400						2½ 3500
JULY 18						
0100						2½ 3300
0200						2½ 3200
0300						2½ 3150
0400						2½ 3150
0444						NO.1 PUMP KILLED ITSELF - SWITCH
0500						LINES TO NO.2 PUMP RESUME PUMPS
0501						2½ 3100
0600						2½ 3000
0700						2½ 3000
0800						2½ 3000
0813						SHUT DOWN TO REAR-RANGE PUMPS AND INCREASE INJECTION RATE.
0822						START PUMPING AGAIN.
0825						3½ 3200
0900						4 3200
0918						4 3100
0948						4½ 3200
1017						4 3000

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
1018					5	3200
1027					5½	3200
1028					6	3400
1033					6½	3400
1035					6½	3500
1054					6 1/5	3400
1130					6	3300
1200					6	3300
1300					6	3300
1400					6	3300
1500					6	3300
1600					6	3300
1700					6	3300
1800						CLOSED APR-N.
1810			2000			
JULY 19						
1155			2800			
1206						OPEN FLOPETROL TREE.
1208						OPEN LINES TO CMT. PUMPS.
1209						CLOSED ANN.
1210						OPENED APR-N W/1650 PSI ANNULAR.
1214						START PUMPING MUD W/CMT. PUMPS BULLHEAD
						WATER W/200 BBLS MUD 1.52
1310						STOP PUMPING MUD & OBSERVE WELL.
1313						PRESSURE UP ANN. @ 2600 PSI.
1314						APR-N OPENED.

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
1320						CHANGED LINES TO MUD PUMPS.
1327						START CIRC. W/MUD PUMPS 50 STROKES P.M.
1520						STOP CIRC.MUD & BROKE OUT CHIKSANS.
1550						PICK UP 8M. DRILL STRING & SET SLIPS TO 3 TURNS T/RIGHT & PICKED UP SLOWLY TO 350,000.
1605						PACKER UNSET.
1607						PICKED UP 2 SINGLES & WENT BACK DOWN
1610						RIG GOT TO REVERSE CIRC.
JULY 20						
0125						LAY DOWN SLIP JOINTS.
0330						LAY DOWN DRILL COLLARS.
0400						CIRC. VALVE.
0420						SLIP JOINTS.
0620						BUNDLE CARRIER.
0630						STOPPED TEMP. 5370
0700						FLOPETROL GAUGES.
0715						SPERRY SUN.
0730						FLOPETROL GAUGES.
0830						TE-28 OUT OF HOLE.
0840						STOPPED CLOCKS.
0850						TE-28 STOPPED.
0855						BT. 5630 STOPPED.
0930						LAYED DOWN ALL TOOLS. LOADED SAME ON BOAT.
1240						QUICK LOOK AT CHARTS.

<u>DESCRIPTION</u>	<u>O.D.</u>	<u>I.D.</u>	<u>LENGTH</u>	<u>DEPTH</u>
FLUTED HANGER				
DRILL PIPE	5.00			
X-OVER				.59
DRILL PIPE	3½		171.62	
SLIP JOINT				
SLIP JOINT				
SLIP JOINT	4¾	2.00	4.47	
SLIP JOINT	4¾	2.00	5.99	
SLIP JOINT	4¾	2.00	5.99	
DRILL COLLARS			141.51	
X-OVER 3½ IF BOX - 2¾ EUE PIN	4¾	2¾	.24	
RTTS CIRCULATING VALVE	4¾	2.44	.99	
X-OVER 2¾ EUE BOX - 3½ IF PIN	4¾	2¾	.21	
DRILL COLLARS			27.75	
SLIP JOINT	4¾	2.00	4.47	
SLIP JOINT	4¾	2.00	4.47	
DRILL COLLARS			27.70	
APR-M SAFETY/REVERSING VALVE	5	2.25	2.22	
DRILL COLLAR			9.45	
DRILL PIPE TESTER VALVE			1.43	
APR-N TESTER VALVE	4¾	2.00	4.24	
BIG JOHN JARS	4¾	2.37	1.59	
RTTS CIRCULATING VALVE	4¾	2.44	.99	
RTTS SAFETY JOINT	4¾	2.44	.84	
RTTS PACKER (ABOVE CENTRE)	5¾	2.40	.56	
RTTS PACKER (BELOW CENTRE)	5¾	2.40	.82	
BUNDLE CARRIER	5¾	2.25	2.38	
PERFORATED TUBING			3.05	
X-OVER 2¾ EUE BOX - 2¾ D.P. PIN	4.00	2.00	.25	
BLANK SUB	4.00		.44	
1000 HOLE ANCHOR 9 EA.	3¾	1¾	14.13	
BLANKED OFF B.T. CASE	3¾		1.22	
BLANKED OFF B.T. CASE	3¾		1.22	
BLANKED OFF B.T. CASE	3¾		1.22	

COMPANY: B.P.
TICKET NO: HD47279
GAUGE NO: 5370

ENTIRE TEST

251, 10 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.
TOTAL 2516 MINUTES

	TIME		TEMPERATURE		DELTA T
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	
P0	0	.000	1.170	269	0
P1	10	.012	1.205	272	3
P2	20	.024	1.204	272	0
P3	30	.035	1.201	272	0
P4	40	.047	1.198	272	0
P5	50	.059	1.197	272	0
P6	60	.071	1.195	271	1
P7	70	.082	1.194	271	0
P8	80	.094	1.234	275	4
P9	90	.106	1.258	277	2
P10	100	.118	1.254	276	1
P11	110	.129	1.251	276	0
P12	120	.141	1.254	276	0
P13	130	.153	1.253	276	0
P14	140	.165	1.263	277	1
P15	150	.177	1.275	278	1
P16	160	.188	1.282	279	1
P17	170	.200	1.283	279	0
P18	180	.212	1.283	279	0
P19	190	.224	1.283	279	0
P20	200	.235	1.283	279	0
P21	210	.247	1.285	279	0
P22	220	.259	1.287	279	0
P23	230	.271	1.292	280	1
P24	240	.282	1.294	280	0
P25	250	.294	1.301	280	0
P26	260	.306	1.305	281	1
P27	270	.318	1.309	281	0
P28	280	.330	1.314	281	0
P29	290	.341	1.319	282	1
P30	300	.353	1.323	282	0
P31	310	.365	1.327	282	0
P32	320	.377	1.330	283	1
P33	330	.388	1.337	283	0
P34	340	.400	1.342	284	1
P35	350	.412	1.343	284	0
P36	360	.424	1.345	284	0
P37	370	.435	1.346	284	0
P38	380	.447	1.347	284	0
P39	390	.459	1.344	284	0
F40	400	.471	1.346	284	0
P41	410	.483	1.348	284	0
P42	420	.494	1.351	284	0

COMPANY: B.P.
 TICKET NO: H047279
 GAUGE NO: 5370

ENTIRE TEST CONTINUED

	TIME		TEMPERATURE		DELTA T
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	
P43	430	.506	1.353	284	0
P44	440	.518	1.354	285	1
P45	450	.530	1.356	285	0
P46	460	.541	1.357	285	0
P47	470	.553	1.358	285	0
P48	480	.565	1.360	285	0
P49	490	.577	1.361	285	0
P50	500	.588	1.362	285	0
P51	510	.600	1.363	285	0
P52	520	.612	1.364	285	0
P53	530	.624	1.365	285	0
P54	540	.636	1.366	285	0
P55	550	.647	1.367	286	1
P56	560	.659	1.368	286	0
P57	570	.671	1.369	286	0
P58	580	.683	1.370	286	0
P59	590	.694	1.371	286	0
P60	600	.706	1.372	286	0
P61	610	.718	1.373	286	0
P62	620	.730	1.373	286	0
P63	630	.741	1.374	286	0
P64	640	.753	1.375	286	0
P65	650	.765	1.376	286	0
P66	660	.777	1.377	286	0
P67	670	.789	1.378	286	0
P68	680	.800	1.379	287	1
P69	690	.812	1.379	287	0
P70	700	.824	1.380	287	0
P71	710	.836	1.380	287	0
P72	720	.847	1.381	287	0
P73	730	.859	1.382	287	0
P74	740	.871	1.382	287	0
P75	750	.883	1.383	287	0
P76	760	.894	1.384	287	0
P77	770	.906	1.385	287	0
P78	780	.918	1.385	287	0
P79	790	.930	1.385	287	0
P80	800	.942	1.386	287	0
P81	810	.953	1.387	287	0
P82	820	.965	1.387	287	0
P83	830	.977	1.388	287	0
P84	840	.989	1.388	287	0
P85	850	1.000	1.389	287	0

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 537D

ENTIRE TEST CONTINUED

	TIME		TEMPERATURE		DELTA T
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	
P86	860	1.012	1.390	287	0
P87	870	1.024	1.390	287	0
P88	880	1.036	1.391	288	1
P89	890	1.047	1.391	288	0
P90	900	1.059	1.391	288	0
P91	910	1.071	1.392	288	0
P92	920	1.083	1.393	288	0
P93	930	1.095	1.393	288	0
P94	940	1.106	1.394	288	0
P95	950	1.118	1.394	288	0
P96	960	1.130	1.394	288	0
P97	970	1.142	1.395	288	0
P98	980	1.153	1.396	288	0
P99	990	1.165	1.394	288	0
P100	1000	1.177	1.385	287	1
P101	1010	1.189	1.377	286	1
P102	1020	1.200	1.370	286	0
P103	1030	1.212	1.364	285	1
P104	1040	1.224	1.358	285	0
P105	1050	1.236	1.353	284	1
P106	1060	1.248	1.348	284	0
P107	1070	1.259	1.345	284	0
P108	1080	1.271	1.341	283	1
P109	1090	1.283	1.337	283	0
P110	1100	1.295	1.334	283	0
P111	1110	1.306	1.331	283	0
P112	1120	1.318	1.328	282	1
P113	1130	1.330	1.325	282	0
P114	1140	1.342	1.322	282	0
P115	1150	1.353	1.320	282	0
P116	1160	1.365	1.317	282	0
P117	1170	1.377	1.315	281	1
P118	1180	1.389	1.313	281	0
P119	1190	1.401	1.311	281	0
P120	1200	1.412	1.309	281	0
P121	1210	1.424	1.307	281	0
P122	1220	1.436	1.305	281	0
P123	1230	1.448	1.304	280	1
P124	1240	1.459	1.302	280	0
P125	1250	1.471	1.301	280	0
P126	1260	1.483	1.300	280	0
P127	1270	1.495	1.298	280	0
P128	1280	1.506	1.297	280	0

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5370

ENTIRE TEST CONTINUED

	TIME		TEMPERATURE		DELTA T
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	
P129	1290	1.518	1.295	280	0
P130	1300	1.530	1.294	280	0
P131	1310	1.542	1.293	280	0
P132	1320	1.554	1.292	280	0
P133	1330	1.565	1.291	279	1
P134	1340	1.577	1.290	279	0
P135	1350	1.589	1.289	279	0
P136	1360	1.601	1.288	279	0
P137	1370	1.612	1.288	279	0
P138	1380	1.624	1.287	279	0
P139	1390	1.636	1.286	279	0
P140	1400	1.648	1.285	279	0
P141	1410	1.659	1.285	279	0
P142	1420	1.671	1.284	279	0
P143	1430	1.683	1.283	279	0
P144	1440	1.695	1.282	279	0
P145	1450	1.707	1.282	279	0
P146	1460	1.718	1.281	279	0
P147	1470	1.730	1.281	279	0
P148	1480	1.742	1.280	279	0
P149	1490	1.754	1.280	279	0
P150	1500	1.765	1.279	278	1
P151	1510	1.777	1.279	278	0
P152	1520	1.789	1.278	278	0
P153	1530	1.801	1.278	278	0
P154	1540	1.812	1.277	278	0
P155	1550	1.824	1.277	278	0
P156	1560	1.836	1.276	278	0
P157	1570	1.848	1.276	278	0
P158	1580	1.860	1.276	278	0
P159	1590	1.871	1.275	278	0
P160	1600	1.883	1.275	278	0
P161	1610	1.895	1.275	278	0
P162	1620	1.907	1.274	278	0
P163	1630	1.918	1.274	278	0
P164	1640	1.930	1.274	278	0
P165	1650	1.942	1.273	278	0
P166	1660	1.954	1.273	278	0
P167	1670	1.965	1.273	278	0
P168	1680	1.977	1.272	278	0
P169	1690	1.989	1.272	278	0
P170	1700	2.001	1.272	278	0
P171	1710	2.013	1.272	278	0

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5370

ENTIRE TEST CONTINUED

	TIME		TEMPERATURE		DELTA T
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	
P172	1720	2.024	1.271	278	0
P173	1730	2.036	1.271	278	0
P174	1740	2.048	1.271	278	0
P175	1750	2.060	1.271	278	0
P176	1760	2.071	1.271	278	0
P177	1770	2.083	1.270	278	0
P178	1780	2.095	1.270	278	0
P179	1790	2.107	1.270	278	0
P180	1800	2.118	1.270	278	0
P181	1810	2.130	1.270	278	0
P182	1820	2.142	1.270	278	0
P183	1830	2.154	1.270	278	0
P184	1840	2.166	1.270	278	0
P185	1850	2.177	1.270	278	0
P186	1860	2.189	1.269	278	0
P187	1870	2.201	1.269	278	0
P188	1880	2.213	1.269	278	0
P189	1890	2.224	1.269	278	0
P190	1900	2.236	1.269	278	0
P191	1910	2.248	1.269	278	0
P192	1920	2.260	1.269	278	0
P193	1930	2.271	1.269	278	0
P194	1940	2.283	1.268	278	0
P195	1950	2.295	1.268	278	0
P196	1960	2.307	1.268	278	0
P197	1970	2.319	1.268	278	0
P198	1980	2.330	1.268	278	0
P199	1990	2.342	1.268	278	0
P200	2000	2.354	1.268	278	0
P201	2010	2.366	1.268	278	0
P202	2020	2.377	1.268	278	0
P203	2030	2.389	1.267	277	1
P204	2040	2.401	1.267	277	0
P205	2050	2.413	1.267	277	0
P206	2060	2.424	1.267	277	0
P207	2070	2.436	1.267	277	0
P208	2080	2.448	1.267	277	0
P209	2090	2.460	1.267	277	0
P210	2100	2.472	1.267	277	0
P211	2110	2.483	1.267	277	0
P212	2120	2.495	1.267	277	0
P213	2130	2.507	1.267	277	0
P214	2140	2.519	1.267	277	0

COMPANY: B.P.
 TICKET NO: HO47279
 GAUGE NO: 5370

ENTIRE TEST CONTINUED

	TIME		TEMPERATURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	DEG. F	DELTA T
P215	2150	2.530	1.267	277	0
P216	2160	2.542	1.267	277	0
P217	2170	2.554	1.267	277	0
P218	2180	2.566	1.267	277	0
P219	2190	2.577	1.267	277	0
P220	2200	2.589	1.267	277	0
P221	2210	2.601	1.267	277	0
P222	2220	2.613	1.267	277	0
P223	2230	2.625	1.267	277	0
P224	2240	2.636	1.267	277	0
P225	2250	2.648	1.267	277	0
P226	2260	2.660	1.267	277	0
P227	2270	2.672	1.267	277	0
P228	2280	2.683	1.267	277	0
P229	2290	2.695	1.267	277	0
P230	2300	2.707	1.267	277	0
P231	2310	2.719	1.267	277	0
P232	2320	2.730	1.267	277	0
P233	2330	2.742	1.267	277	0
P234	2340	2.754	1.267	277	0
P235	2350	2.766	1.267	277	0
P236	2360	2.778	1.267	277	0
P237	2370	2.789	1.267	277	0
P238	2380	2.801	1.267	277	0
P239	2390	2.813	1.267	277	0
P240	2400	2.825	1.267	277	0
P241	2410	2.836	1.267	277	0
P242	2420	2.848	1.267	277	0
P243	2430	2.860	1.270	278	1
P244	2440	2.872	1.300	280	2
P245	2450	2.883	1.303	280	0
P246	2460	2.895	1.202	272	8
P247	2470	2.907	1.190	271	1
P248	2480	2.919	1.166	269	2
P249	2490	2.931	1.156	268	1
P250	2500	2.942	1.157	268	0
P251	2510	2.954	1.157	268	0
P252	2516	2.961	1.157	268	0

COMPANY: B.P.
TICKET NO: HD47279
GAUGE NO: 5630

1ST FLOW ----- 1. 3 MINUTE INTERVALS. LAST INTERVAL= 2 MINS.
TOTAL 5 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
PD	0	.000	1.641	6921	0
P1	3	.003	1.644	6933	12
P2	5	.006	1.645	6937	4

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5830

1ST CLOSURE ----- 12, 5 MINUTE INTERVALS. LAST INTERVAL= 4 MINS.
 ----- TOTAL 64 MINUTES

	TIME		PRESSURE			DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG			
P0	0	.000	1.645	6937	0		
P1	5	.006	1.679	7079	142		.3010
P2	10	.011	1.680	7083	4		.1891
P3	15	.017	1.680	7083	0		.1313
P4	20	.022	1.680	7083	0		.1047
P5	25	.028	1.680	7083	0		.0843
P6	30	.034	1.680	7083	0		.0706
P7	35	.039	1.680	7083	0		.0621
P8	40	.045	1.680	7083	0		.0544
P9	45	.050	1.680	7083	0		.0492
P10	50	.056	1.680	7083	0		.0442
P11	55	.062	1.680	7083	0		.0401
P12	60	.067	1.680	7083	0		.0372
P13	64	.072	1.680	7083	0		.0348

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

2ND FLOW

3, 5 MINUTE INTERVALS. LAST INTERVAL= 6 MINS.
 TOTAL 21 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	1.648	6950	0
P1	5	.006	1.644	6933	17
P2	10	.011	1.642	6925	8
P3	15	.017	1.634	6891	34
P4	21	.024	1.668	7033	142

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

ZND CLOSURE ----- Z. 5 MINUTE INTERVALS. LAST INTERVAL= 4 MINS.
 ----- TOTAL 14 MINUTES

	TIME		PRESSURE			LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P	
P0	0	.000	1.668	7033	0	
P1	5	.006	1.676	7067	34	.7782
P2	10	.011	1.677	7071	4	.5714
P3	14	.016	1.677	7071	0	.4586

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD FLOW 175, 5 MINUTE INTERVALS. LAST INTERVAL= 4 MINS.

 TOTAL 879 MINUTES

	TIME		PRESSURE		
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P
P0	0	.000	1.613	6803	0
P1	5	.006	1.671	7046	243
P2	10	.011	1.674	7058	12
P3	15	.017	1.671	7046	12
P4	20	.022	1.674	7058	12
P5	25	.028	1.677	7071	13
P6	30	.034	1.662	7008	63
P7	35	.039	1.659	6996	12
P8	40	.045	1.658	6992	4
P9	45	.050	1.657	6987	5
P10	50	.056	1.657	6987	0
P11	55	.062	1.666	7025	38
P12	60	.067	1.668	7033	8
P13	65	.073	1.669	7038	5
P14	70	.078	1.670	7042	4
P15	75	.084	1.671	7046	4
P16	80	.090	1.671	7046	0
P17	85	.095	1.671	7046	0
P18	90	.101	1.673	7054	8
P19	95	.106	1.673	7054	0
P20	100	.112	1.660	7000	54
P21	105	.117	1.671	7046	46
P22	110	.123	1.671	7046	0
P23	115	.129	1.655	6979	67
P24	120	.134	1.661	7004	25
P25	125	.140	1.669	7038	34
P26	130	.145	1.670	7042	4
P27	135	.151	1.670	7042	0
P28	140	.157	1.625	6854	188
P29	145	.162	1.655	6979	125
P30	150	.168	1.659	6996	17
P31	155	.173	1.654	6975	21
P32	160	.179	1.656	6983	8
P33	165	.185	1.655	6979	4
P34	170	.190	1.645	6937	42
P35	175	.196	1.646	6941	4
P36	180	.201	1.646	6941	0
P37	185	.207	1.646	6941	0
P38	190	.213	1.646	6941	0
P39	195	.218	1.646	6941	0
P40	200	.224	1.645	6937	4
P41	205	.229	1.645	6937	0
P42	210	.235	1.644	6933	4

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P43	215	.241	1.623	6845	88
P44	220	.246	1.619	6828	17
P45	225	.252	1.619	6828	0
P46	230	.257	1.619	6828	0
P47	235	.263	1.637	6904	76
P48	240	.269	1.639	6912	8
P49	245	.274	1.640	6916	4
P50	250	.280	1.640	6916	0
P51	255	.285	1.641	6921	5
P52	260	.291	1.642	6925	4
P53	265	.296	1.642	6925	0
P54	270	.302	1.659	6996	71
P55	275	.308	1.670	7042	46
P56	280	.313	1.668	7033	9
P57	285	.319	1.664	7017	16
P58	290	.324	1.664	7017	0
P59	295	.330	1.664	7017	0
P60	300	.336	1.656	6983	34
P61	305	.341	1.655	6979	4
P62	310	.347	1.655	6979	0
P63	315	.352	1.655	6979	0
P64	320	.358	1.655	6979	0
P65	325	.364	1.655	6979	0
P66	330	.369	1.655	6979	0
P67	335	.375	1.655	6979	0
P68	340	.380	1.655	6979	0
P69	345	.386	1.655	6979	0
P70	350	.392	1.655	6979	0
P71	355	.397	1.655	6979	0
P72	360	.403	1.655	6979	0
P73	365	.408	1.655	6979	0
P74	370	.414	1.655	6979	0
P75	375	.420	1.655	6979	0
P76	380	.425	1.655	6979	0
P77	385	.431	1.655	6979	0
P78	390	.436	1.655	6979	0
P79	395	.442	1.655	6979	0
P80	400	.448	1.655	6979	0
P81	405	.453	1.655	6979	0
P82	410	.459	1.655	6979	0
P83	415	.464	1.655	6979	0
P84	420	.470	1.655	6979	0
P85	425	.475	1.655	6979	0

COMPANY: B.P.
 TICKET NO: H047279
 GAUGE NO: 5630

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P86	430	.481	1.655	6979	0
P87	435	.487	1.655	6979	0
P88	440	.492	1.655	6979	0
P89	445	.498	1.655	6979	0
P90	450	.503	1.655	6979	0
P91	455	.509	1.655	6979	0
P92	460	.515	1.655	6979	0
P93	465	.520	1.655	6979	0
P94	470	.526	1.655	6979	0
P95	475	.531	1.655	6979	0
P96	480	.537	1.655	6979	0
P97	485	.543	1.655	6979	0
P98	490	.548	1.655	6979	0
P99	495	.554	1.655	6979	0
P100	500	.559	1.655	6979	0
P101	505	.565	1.655	6979	0
P102	510	.571	1.655	6979	0
P103	515	.576	1.655	6979	0
P104	520	.582	1.655	6979	0
P105	525	.587	1.655	6979	0
P106	530	.593	1.655	6979	0
P107	535	.599	1.655	6979	0
P108	540	.604	1.655	6979	0
P109	545	.610	1.655	6979	0
P110	550	.615	1.655	6979	0
P111	555	.621	1.655	6979	0
P112	560	.627	1.655	6979	0
P113	565	.632	1.655	6979	0
P114	570	.638	1.655	6979	0
P115	575	.643	1.655	6979	0
P116	580	.649	1.655	6979	0
P117	585	.654	1.655	6979	0
P118	590	.660	1.655	6979	0
P119	595	.666	1.655	6979	0
P120	600	.671	1.655	6979	0
P121	605	.677	1.655	6979	0
P122	610	.682	1.655	6979	0
P123	615	.688	1.655	6979	0
P124	620	.694	1.655	6979	0
P125	625	.699	1.655	6979	0
P126	630	.705	1.655	6979	0
P127	635	.710	1.655	6979	0
P128	640	.716	1.655	6979	0

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P129	645	.722	1.655	6979	0
P130	650	.727	1.655	6979	0
P131	655	.733	1.655	6979	0
P132	660	.738	1.655	6979	0
P133	665	.744	1.655	6979	0
P134	670	.750	1.655	6979	0
P135	675	.755	1.655	6979	0
P136	680	.761	1.655	6979	0
P137	685	.766	1.655	6979	0
P138	690	.772	1.655	6979	0
P139	695	.778	1.655	6979	0
P140	700	.783	1.655	6979	0
P141	705	.789	1.655	6979	0
P142	710	.794	1.655	6979	0
P143	715	.800	1.655	6979	0
P144	720	.806	1.655	6979	0
P145	725	.811	1.655	6979	0
P146	730	.817	1.655	6979	0
P147	735	.822	1.655	6979	0
P148	740	.828	1.655	6979	0
P149	745	.833	1.655	6979	0
P150	750	.839	1.655	6979	0
P151	755	.845	1.655	6979	0
P152	760	.850	1.655	6979	0
P153	765	.856	1.655	6979	0
P154	770	.861	1.655	6979	0
P155	775	.867	1.655	6979	0
P156	780	.873	1.655	6979	0
P157	785	.878	1.655	6979	0
P158	790	.884	1.655	6979	0
P159	795	.889	1.655	6979	0
P160	800	.895	1.655	6979	0
P161	805	.901	1.655	6979	0
P162	810	.906	1.655	6979	0
P163	815	.912	1.655	6979	0
P164	820	.917	1.655	6979	0
P165	825	.923	1.655	6979	0
P166	830	.929	1.655	6979	0
P167	835	.934	1.655	6979	0
P168	840	.940	1.655	6979	0
P169	845	.945	1.655	6979	0
P170	850	.951	1.655	6979	0
P171	855	.957	1.655	6979	0

COMPANY: B.P.
TICKET NO: HD47279
GAUGE NO: 5630

3RD FLOW CONTINUED

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P172	860	.962	1.655	6979	0
P173	865	.968	1.655	6979	0
P174	870	.973	1.655	6979	0
P175	875	.979	1.655	6979	0
P176	879	.983	1.655	6979	0

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD CLOSURE

145, 10 MINUTE INTERVALS. LAST INTERVAL= 9 MINS.
 TOTAL 1459 MINUTES

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
PD	0	.000	1.655	6979	0	
P1	10	.011	1.672	7050	71	1.9689
P2	20	.022	1.673	7054	4	1.6725
P3	30	.034	1.673	7054	0	1.4885
P4	40	.045	1.674	7058	4	1.3713
P5	50	.056	1.674	7058	0	1.2808
P6	60	.067	1.674	7058	0	1.2073
P7	70	.078	1.674	7058	0	1.1457
P8	80	.090	1.674	7058	0	1.0883
P9	90	.101	1.674	7058	0	1.0426
P10	100	.112	1.675	7063	5	1.0019
P11	110	.123	1.675	7063	0	.9655
P12	120	.134	1.675	7063	0	.9325
P13	130	.145	1.675	7063	0	.9023
P14	140	.157	1.675	7063	0	.8723
P15	150	.168	1.675	7063	0	.8469
P16	160	.179	1.675	7063	0	.8234
P17	170	.190	1.675	7063	0	.8015
P18	180	.201	1.675	7063	0	.7810
P19	190	.213	1.675	7063	0	.7601
P20	200	.224	1.675	7063	0	.7421
P21	210	.235	1.675	7063	0	.7251
P22	220	.246	1.675	7063	0	.7091
P23	230	.257	1.675	7063	0	.6939
P24	240	.269	1.675	7063	0	.6781
P25	250	.280	1.675	7063	0	.6644
P26	260	.291	1.675	7063	0	.6514
P27	270	.302	1.675	7063	0	.6389
P28	280	.313	1.675	7063	0	.6270
P29	290	.324	1.676	7067	4	.6156
P30	300	.336	1.676	7067	0	.6037
P31	310	.347	1.676	7067	0	.5932
P32	320	.358	1.676	7067	0	.5832
P33	330	.369	1.676	7067	0	.5735
P34	340	.380	1.676	7067	0	.5642
P35	350	.392	1.676	7067	0	.5544
P36	360	.403	1.676	7067	0	.5458
P37	370	.414	1.676	7067	0	.5374
P38	380	.425	1.676	7067	0	.5294
P39	390	.436	1.676	7067	0	.5216
P40	400	.448	1.676	7067	0	.5134
P41	410	.459	1.676	7067	0	.5061
P42	420	.470	1.676	7067	0	.4990

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P43	430	.481	1.676	7067	0	.4922
P44	440	.492	1.676	7067	0	.4856
P45	450	.503	1.676	7067	0	.4791
P46	460	.515	1.676	7067	0	.4723
P47	470	.526	1.676	7067	0	.4663
P48	480	.537	1.676	7067	0	.4604
P49	490	.548	1.676	7067	0	.4546
P50	500	.559	1.676	7067	0	.4490
P51	510	.571	1.676	7067	0	.4431
P52	520	.582	1.676	7067	0	.4378
P53	530	.593	1.676	7067	0	.4327
P54	540	.604	1.676	7067	0	.4277
P55	550	.615	1.676	7067	0	.4228
P56	560	.627	1.676	7067	0	.4176
P57	570	.638	1.676	7067	0	.4129
P58	580	.649	1.676	7067	0	.4084
P59	590	.660	1.676	7067	0	.4040
P60	600	.671	1.676	7067	0	.3996
P61	610	.682	1.676	7067	0	.3954
P62	620	.694	1.676	7067	0	.3909
P63	630	.705	1.676	7067	0	.3868
P64	640	.716	1.676	7067	0	.3829
P65	650	.727	1.676	7067	0	.3790
P66	660	.738	1.676	7067	0	.3752
P67	670	.750	1.676	7067	0	.3712
P68	680	.761	1.676	7067	0	.3676
P69	690	.772	1.676	7067	0	.3640
P70	700	.783	1.676	7067	0	.3605
P71	710	.794	1.676	7067	0	.3571
P72	720	.806	1.676	7067	0	.3535
P73	730	.817	1.676	7067	0	.3502
P74	740	.828	1.676	7067	0	.3470
P75	750	.839	1.676	7067	0	.3439
P76	760	.850	1.676	7067	0	.3408
P77	770	.861	1.676	7067	0	.3378
P78	780	.873	1.676	7067	0	.3345
P79	790	.884	1.676	7067	0	.3316
P80	800	.895	1.676	7067	0	.3288
P81	810	.906	1.676	7067	0	.3259
P82	820	.917	1.676	7067	0	.3232
P83	830	.929	1.676	7067	0	.3202
P84	840	.940	1.676	7067	0	.3176
P85	850	.951	1.676	7067	0	.3150

COMPANY: B.P.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD CLOSURE CONTINUED

	TIME		PRESSURE		DELTA P	LOG T+0/0
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG		
P86	860	.962	1.676	7067	0	.3124
P87	870	.973	1.676	7067	0	.3099
P88	880	.985	1.676	7067	0	.3072
P89	890	.996	1.676	7067	0	.3047
P90	900	1.007	1.676	7067	0	.3023
P91	910	1.018	1.676	7067	0	.3000
P92	920	1.029	1.676	7067	0	.2976
P93	930	1.040	1.676	7067	0	.2954
P94	940	1.052	1.676	7067	0	.2929
P95	950	1.063	1.676	7067	0	.2907
P96	960	1.074	1.676	7067	0	.2885
P97	970	1.085	1.676	7067	0	.2864
P98	980	1.096	1.676	7067	0	.2843
P99	990	1.108	1.676	7067	0	.2820
P100	1000	1.119	1.676	7067	0	.2800
P101	1010	1.130	1.676	7067	0	.2779
P102	1020	1.141	1.676	7067	0	.2760
P103	1030	1.152	1.676	7067	0	.2740
P104	1040	1.164	1.676	7067	0	.2719
P105	1050	1.175	1.676	7067	0	.2700
P106	1060	1.186	1.676	7067	0	.2681
P107	1070	1.197	1.676	7067	0	.2663
P108	1080	1.208	1.676	7067	0	.2645
P109	1090	1.219	1.676	7067	0	.2627
P110	1100	1.231	1.676	7067	0	.2608
P111	1110	1.242	1.676	7067	0	.2590
P112	1120	1.253	1.676	7067	0	.2573
P113	1130	1.264	1.676	7067	0	.2556
P114	1140	1.275	1.676	7067	0	.2539
P115	1150	1.287	1.676	7067	0	.2521
P116	1160	1.298	1.676	7067	0	.2505
P117	1170	1.309	1.676	7067	0	.2489
P118	1180	1.320	1.676	7067	0	.2473
P119	1190	1.331	1.676	7067	0	.2458
P120	1200	1.343	1.676	7067	0	.2441
P121	1210	1.354	1.676	7067	0	.2426
P122	1220	1.365	1.676	7067	0	.2411
P123	1230	1.376	1.676	7067	0	.2396
P124	1240	1.387	1.676	7067	0	.2381
P125	1250	1.398	1.676	7067	0	.2367
P126	1260	1.410	1.676	7067	0	.2351
P127	1270	1.421	1.676	7067	0	.2337
P128	1280	1.432	1.676	7067	0	.2323

COMPANY: B.F.
 TICKET NO: HD47279
 GAUGE NO: 5630

3RD CLOSURE CONTINUED

TIME		PRESSURE		LOG T+0/0		
MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	DELTA P		
P129	1290	1.443	1.676	7067	0	.2310
P130	1300	1.454	1.676	7067	0	.2296
P131	1310	1.466	1.676	7067	0	.2281
P132	1320	1.477	1.676	7067	0	.2268
P133	1330	1.488	1.676	7067	0	.2255
P134	1340	1.499	1.676	7067	0	.2242
P135	1350	1.510	1.676	7067	0	.2229
P136	1360	1.522	1.676	7067	0	.2216
P137	1370	1.533	1.676	7067	0	.2203
P138	1380	1.544	1.676	7067	0	.2191
P139	1390	1.555	1.676	7067	0	.2179
P140	1400	1.566	1.676	7067	0	.2167
P141	1410	1.577	1.676	7067	0	.2155
P142	1420	1.589	1.676	7067	0	.2142
P143	1430	1.600	1.676	7067	0	.2130
P144	1440	1.611	1.676	7067	0	.2119
P145	1450	1.622	1.676	7067	0	.2107
P146	1459	1.632	1.676	7067	0	.2097

COMPANY: B.P.
 TICKET NO: H047279
 GAUGE NO: 5630

FLUSH/INJECT 42, 5 MINUTE INTERVALS. LAST INTERVAL= 5 MINS.

 TOTAL 215 MINUTES

	TIME		PRESSURE		DELTA P
	MINUTES	INCHES DEFL.	INCHES DEFL.	PSIG	
P0	0	.000	1.628	6866	0
P1	5	.006	1.675	7063	197
P2	10	.011	1.677	7071	8
P3	15	.017	1.682	7092	21
P4	20	.022	1.727	7279	187
P5	25	.028	1.897	7988	709
P6	30	.034	1.976	8314	326
P7	35	.039	2.002	8421	107
P8	40	.045	2.021	8500	79
P9	45	.050	2.036	8562	62
P10	50	.056	2.048	8612	50
P11	55	.062	2.018	8488	124
P12	60	.067	1.954	8223	265
P13	65	.073	1.952	8215	8
P14	70	.078	1.953	8219	4
P15	75	.084	1.956	8231	12
P16	80	.090	1.959	8244	13
P17	85	.095	1.962	8256	12
P18	90	.101	1.968	8281	25
P19	95	.106	1.973	8302	21
P20	100	.112	1.978	8322	20
P21	105	.117	1.981	8335	13
P22	110	.123	1.983	8343	8
P23	115	.129	1.985	8351	8
P24	120	.134	1.986	8355	4
P25	125	.140	2.122	8917	562
P26	130	.145	2.140	8992	75
P27	135	.151	2.158	9066	74
P28	140	.157	2.158	9066	0
P29	145	.162	2.163	9086	20
P30	150	.168	2.165	9095	9
P31	155	.173	2.163	9086	9
P32	160	.179	2.162	9082	4
P33	165	.185	2.159	9070	12
P34	170	.190	2.161	9078	8
P35	175	.196	2.157	9062	16
P36	180	.201	2.159	9070	8
P37	185	.207	2.161	9078	8
P38	190	.213	2.163	9086	8
P39	195	.218	2.165	9095	9
P40	200	.224	2.155	9053	42
P41	205	.229	2.205	9259	206
P42	210	.235	2.256	9469	210

Temp Device TE-41
HI 047279
(GAGE MALFUNCTION)

..... 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.

D = Final Flow

Temp Device TE-28
HI 047279
(GAGE MALFUNCTION)