

DST NO. 8

Perforations:

No.	O.D.	I.D.	Description	Length	Depth
			Baker Test Head		
			Hydril Valve		
			Tubing above RKB (Less)	10.00	
9	2 7/8	2.441	6.50 lb N-80 8R Tubing	278.92	
1		2.500	Otis SST Tree Slick Jt. & Hanger	27.00	295.92
315	2 7/8	2.441	6.50 lb N-80 8R Tubing	982.00	10123.92
1	4 3/8	2.441	B.J. Unloader Valve	2.00	10125.92
3	2 7/8	2.441	6.50 lb N-80 8R Tubing	93.60	10219.52
1	5.884	2.500	B.J. FFC Packer	4.24	10223.71
7	2 7/8	2.441	6.50 lb N-80 8R Tubing	218.40	10442.16
1	2 7/8	2.441	6.50 lb N-80 8R Tubing Perf. Jt.	31.52	10473.68
1	3 1/2	2.50	Recorder Hanger No. 2758	1.00	10474.68
1	3 1/2	2.50	Recorder Case	4.00	10478.68
1	3 1/2	2.50	Recorder Hanger No. 2759	1.00	10479.68
1	3 1/2	2.50	Recorder Case	4.00	10483.68
1	3 1/2	2.50	Recorder Hanger No. 2760	1.00	10484.68
1	3 1/2	2.50	Recorder Case	4.00	10488.68
			Bottom of Tubing string RKB	10488.68	
			Overall Length of Tubing	10498.68	



DATE: July 29, 1970

PHILLIPS PETROLEUM CO.

LEASE: Ekofisk

SURFACE PRESSURE

INTERVAL:

WELL NO.: 2/4-3X

TEST NO.: DST 8

TIME	WELLHEAD		REMARKS
	TEMP °F	PRESS PSIG	
1315	70	3517	Shut well in for S.I. No. 1
1320	70	3900	
1325	70	3950	
1330	69	3990	
1335	68	4026	
1340	68	4038	
1345	68	4052	
1400	68	4045	
1415	66	4070	
1430	65	4078	
1445	65	4083	
1500	65	4086	
1515	65	4092	
1530	64	4092	
1545	64	4092	
1600	63	4097	
1615	63	4097	
1630	62	4097	
1645	62	4100	
1700	62	4101	
1715	61	4101	
1730	61	4100	
1745	62	4102	
1800	62	4102	
1815	61	4105	

DATE: July 29, 1970



PHILLIPS PETROLEUM CO.

Sheet 1 of 3

WELL: 2/4-3X

WELL PRODUCTION TEST

TEST NO.: 8
 10260-10340, 10375-90&10420
 PERF.ZONE: - 10500 GOR

METER RUN SIZE: 7.625 I.D.

WELLHEAD.			METER ORIFICE	DIFF hw	METER PRESS psia	METER TEMP °F	$\sqrt{hw P}$	1		2		3		4		C		mmcf/d	bpd	bpd	
TIME	PRESS	TEMP						F _{tf}	F _b	F _b x 24	F _g	F _{pv}	F _{tf} x F _b x F _g x F _{pv}	C $\sqrt{hw P}$							
11 flowed thru Separator at 0130 hrs. Choke size - 10.5/64". Flow 1. ^																					
245	3395	70	8x1.000	16	595	91	97.52	0.9715	200.46	4811	1.2263	1.0382	5950	0.580	643	0.902					
300	3425	"	"	17	605	93	101.36	0.9697	"	"	"	1.0384	5940	0.602	"	0.93					
315	3415	"	"	18	615	94	105.16	0.9688	"	"	"	1.0387	5936	0.624	652	0.95					
330	3415	"	"	21	"	96	113.59	0.9671	"	"	"	1.0381	5922	0.672	624	1076					
345	3485	"	"	"	695	"	111.72	"	"	"	"	1.0369	5916	0.662	634	1044					
400	3490	69	"	"	"	"	"	"	"	"	"	"	"	"	"	"					
415	3490	"	"	"	605	97	112.66	0.9662	"	"	"	1.0375	5913	0.666	614	1083					
430	"	70	"	"	615	98	113.59	0.9653	"	"	"	1.0376	5908	0.671	624	1077					
445	3487	69	"	22	"	"	116.26	"	"	"	"	"	"	0.687	634	1083					
500	3485	"	"	"	"	99	"	0.9645	"	"	"	1.0373	5901	0.686	624	1096					
515	3487	"	"	"	"	"	"	"	"	"	"	"	"	"	N.R.	-					
530	3485	"	"	"	"	"	"	"	"	"	"	"	"	"	Flocc	-					
545	3483	"	"	"	"	"	"	"	"	"	"	"	"	"	Meter	-					
600	"	"	"	"	"	"	"	"	"	"	"	"	"	"	drgs.	-					
615	"	"	"	"	"	"	"	"	"	"	"	"	"	"	readings-	-					
630	"	"	"	"	"	"	"	"	"	"	"	"	"	"	not	-					
645	"	"	"	"	"	"	"	"	"	"	"	"	"	"	correct	-					
700	"	68	"	"	"	"	"	"	"	"	"	"	"	"	N.R.	-					
715	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-					
730	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-					
745	"	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-					
800hrs to 1000 hrs. Flowed well at various choke sizes attempting to obtain bottom hole samples but unable o. Sampler hung up in bottom of tubing.																					
Average 0.686 627 1093																					

DATE: July 29, 1970



PHILLIPS PETROLEUM CO.

Sheet 2 of 3

WELL: 2/4-3X

TEST NO.: 8

METER RUN SIZE: 7.625 I.D.

WELL PRODUCTION TEST

PERF.ZONE: GAS OIL **GOR WATER**

WELLHEAD.			METER ORIFICE	DIFF hw	METER PRESS psia	METER TEMP °F	$\sqrt{hw P}$	1	2	3	4	C	mmcf/d	OIL bpd	GOR WATER bpd	
TIME	PRESS	TEMP						Ftf	Fb	Fb x 24	Fg	Fpv				FtfxFbxFgxFpv
Flowed well thru same choke size on Flow 1. (10.5/64")																
015	3380	82	8x1.000	20	585	102	108.11	0.9619	200.46	4811	1.2263	1.0347	5871	0.634	N.R.	
030	3425	77	"	21	635	102	115.42	0.9619	"	"	"	1.0377	5888	0.679	605 1121	
045	3448	"	"	"	625	104	114.51	0.9602	"	"	"	1.0366	5871	0.673	662 1015	
100	3450	"	"	22	"	"	117.20	0.9602	"	"	"	"	"	0.688	653 1053	
115	3490	72	"	"	"	105	"	0.9594	"	"	"	1.0363	5865	0.687	662 1035	
130	3499	"	"	"	635	"	118.14	0.9594	"	"	"	1.0369	5869	0.693	672 1038	
145	3507	"	"	24	"	104	123.39	0.9602	"	"	"	1.0372	5875	0.725	662 1094	
200	3505	"	"	"	615	"	121.43	"	"	"	"	1.0361	5868	0.712	653 1093	
215	3510	"	"	"	"	103	"	0.9611	"	"	"	1.0364	5876	0.713	682 1044	
230	3517	71	"	25	595	102	121.90	0.9619	"	"	"	1.0353	5874	0.716	614 1164	
245	3518	70	"	24	605	"	120.44	0.9619	"	"	"	1.0360	5878	0.710	" 1154	
300	3519	"	"	"	"	"	"	"	"	"	"	"	"	"	653 1085	
315 Shut well in for build up.																
													Average	0.715	641	1114
			Oil gravity = 35.5° API at 60°													
			Water cut = 0.1%													

DATE: July 29, 1970



PHILLIPS PETROLEUM CO.

Sheet 3 of 3

WELL: 2/4-3X

TEST NO.: 8

METER RUN SIZE: 7.625 I.D.

WELL PRODUCTION TEST

PERF.ZONE: GAS OIL GOR WATER

WELLHEAD.			METER ORIFICE	DIFF hw	METER PRESS psia	METER TEMP °F	$\sqrt{hw P}$	1	2	3	4	C	mmcf/d	bpd	GOR	WATER
TIME	PRESS	TEMP						Ftf	Fb	Fb x 24	Fg	Fpv				
15	Well opened for flow 2.				Chokes	are 3/4" & 3/4" (Wide open). Stabilized well at 0345 hrs.										
45	1102	100	8x2000	38	665	108	158.89	0.9568	809.22	19421	1.2263	1.0376	23644	3.757	3562	1195
00	1117	100	8x2000	"	675	109	160.08	0.9560	"	"	"	1.0382	23638	3.784	3620	1016
15	1140	"	"	39	"	110	162.18	0.9551	"	"	"	1.0379	23609	3.829	3638	1059
30	1132	"	"	42	"	112	168.30	0.9534	"	"	"	1.0373	23553	3.964	3696	1073
45	1122	"	"	42	665	113	167.05	0.9526	"	"	"	1.0364	23513	3.928	3638	1074
00	1135	105	"	43	"	115	169.02	0.9510	"	"	"	1.0361	23467	3.966	3696	1072
15	1140	"	"	"	"	117	"	0.9493	"	"	"	1.0355	23412	3.957	3725	1068
30	"	"	"	"	"	"	"	"	"	"	"	"	"	"	3715	1062
45	1147	"	"	"	"	118	"	0.9485	"	"	"	1.0352	23384	3.952	3686	1078
00	1140	"	"	42	"	119	167.05	0.9477	"	"	"	1.0349	23351	3.898	"	1053
15	1157	"	"	43	"	120	169.02	0.9469	"	"	"	1.0346	23332	3.944	3734	"
30	1160	"	"	42	675	"	168.30	"	"	"	"	1.0352	23345	3.929	3725	1052
45	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
00	1162	106	"	44	"	"	172.26	"	"	"	"	"	"	4.022	"	1074
15	1160	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
30	1165	119	"	"	"	122	"	0.9452	"	"	"	1.0347	23292	4.013	"	1073
45	1177	123	"	"	"	123	"	0.9444	"	"	"	1.0345	23268	4.010	3774	1069
00	1176	"	"	"	"	"	"	"	"	"	"	"	"	"	3783	1023
15	1180	124	"	"	"	"	"	"	"	"	"	"	"	"	3801	1021
30	1184	128	"	"	"	"	"	"	"	"	"	"	"	"	3812	1020
45	1165	"	"	"	"	"	"	"	"	"	"	"	"	"	3754	1063
00	1172	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
15	Kill well.	Oil gravity = 35.6° API at 60°.				Water cut = 0.1%				Average		4.010	3779	1023		



PHILLIPS PETROLEUM COMPANY

TEST STARTED: 0130 hrs, July 29, 70

TEST COMPLETED: 0915 hrs, July 30, 1970

DST NO. 8 SUMMARY

DEPTH OF PRESSURE RECORDER: No. 2758 at 10471, No. 2759 at 10479 & No. 2760 at 10484. Packer at 10224.

Operation	Time		Length of Test		Choke Size	Wellhead		Gas MMCFD	Oil BPD	GOR Cu.Ft./STB	Water BPD	BHP PSIA
	From	To	Hrs.	Mins.		Press PSIA	Temp °F					
Flow 1	0130	0800	6	30	10.5/64	3498	69	0.686	627	1023	0.1%	N.R.
Temp down 3 samp.	0300	1000	2	00	Various chok	3496	68	N.R.	N.R.	N.R.	N.R.	N.R.
Flow 2	1000	1315	3	15	10.5/64	3515	72	0.715	641	1115	0.1%	6585
I.	1315	2315	10	00	0	4124	57	0	0	0	0	7074
Flow 3	2315	0915	10	00	3/4" & 3/4"	1200	113	∅.010	3779	1023	0.1%	4366
Oil Well												
	Oil gravity = 35.6° API at 60° F.											
	Recorder 2760 at 10484											
	IHP		7963 psig									
	FHP		7920 psig.									



DRILL-STEM TEST DATA

Well Name <u>Phillips Eko Fisk</u>		Test No. <u>8</u>
Well Number <u>2-4-3x</u>		Zone Tested <u>10420-10500</u>
Company <u>Phillips Petroleum Co. Norway</u>		Interval <u>(10260-10360)(10375-10390)</u>
Comp Rep <u>Mr. Winget</u>	Tester <u>R. Justice</u>	Date <u>28-29-30/7/70</u>

Type of Test Casing RFS Tool No. _____

Preflow _____ mins. ISI _____ mins. Flow _____ mins. FSI _____ mins

Specify Inside or Outside	IN REC. No. <u>2758</u>	IN REC. No. <u>2759</u>	OUT REC. No. <u>2760</u>
	<u>10650</u> RANGE <u>72</u> HR. CLOCK	<u>10600</u> RANGE <u>72</u> HR. CLOCK	<u>10600</u> RANGE <u>72</u> HR. CLOCK
DEPTH	<u>10,471</u>	<u>10,479</u>	<u>10,484</u>
Initial Hydro Mud Press	<u>7946</u>	<u>7958</u>	<u>7971</u>
Initial Shut-In Press			
Initial Flow Press			
Final Flow Press			
Final Shut-In Press			
Final Hydro Mud Press	<u>7931</u>	<u>7941</u>	<u>7933</u>

Mud Drop NIL Fluid Loss 4.0 Mud Weight 14.3
 Viscosity 43 Temperature °F _____ Net Pay Tested _____
 Top Packer Depth _____ Bottom Packer Depth _____ Total Depth _____
 Drill Pipe Size 2 7/8 eue Wt. 6.5 Drill Collar I.D. _____ Ft. Run _____
 Surface Choke Size _____ Bottom Choke Size _____ Main Hole Size 9 5/8-47#
 Anchor Size 2 7/8 eue 6.5# Rat Hole Size 7# 29# Feet of Rat Hole _____
 Cushion Amount FULL Type WATER-FRESH Rubber Size 5.812

Fluid Recovery Total Feet _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____
 Recovered _____ Feet of _____

Gas Recovery How Measured _____ Riser size: _____

_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day
_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day
_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day
_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day
_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day
_____ mins.	Temp. °F	Press Rdg. _____ psi	Orifice Size _____	=	_____ MCF/Day

Bleed Off Time for Drill Pipe _____

REMARKS: Displace Tubing To Fresh Water-Set Packer-Open To Flare Line- Gas & Oil Cut Mud To Surface In 30 Min.-Oil To Surface In 33 Min.

DRILL STEM TEST NUMBER 8

<u>POINT</u>	<u>SURFACE</u>	<u>REC#2758</u>	<u>REC#2759</u>	<u>REC#2760</u>
B-C		120	170	120
C-D	390	375	375	365
D-E	120	110	110	110
E-F	195	185	185	180
F-G	600	585	580	565
G-H	600	610	605	585

PRESSURE COMPARISON

<u>POINT</u>	<u>REC#2758</u>	<u>REC#2759</u>	<u>REC#2760</u>
A	7946	7958	7971
B	8369	8387	8390
C	3136	3260	3446
D	6433	6444	6551
E	4170	4316	4446
F	6439	6543	6578
G	7066	7076	7073
H	4186	4324	4353
I	8803	8826	8824
J	7931	7941	7933

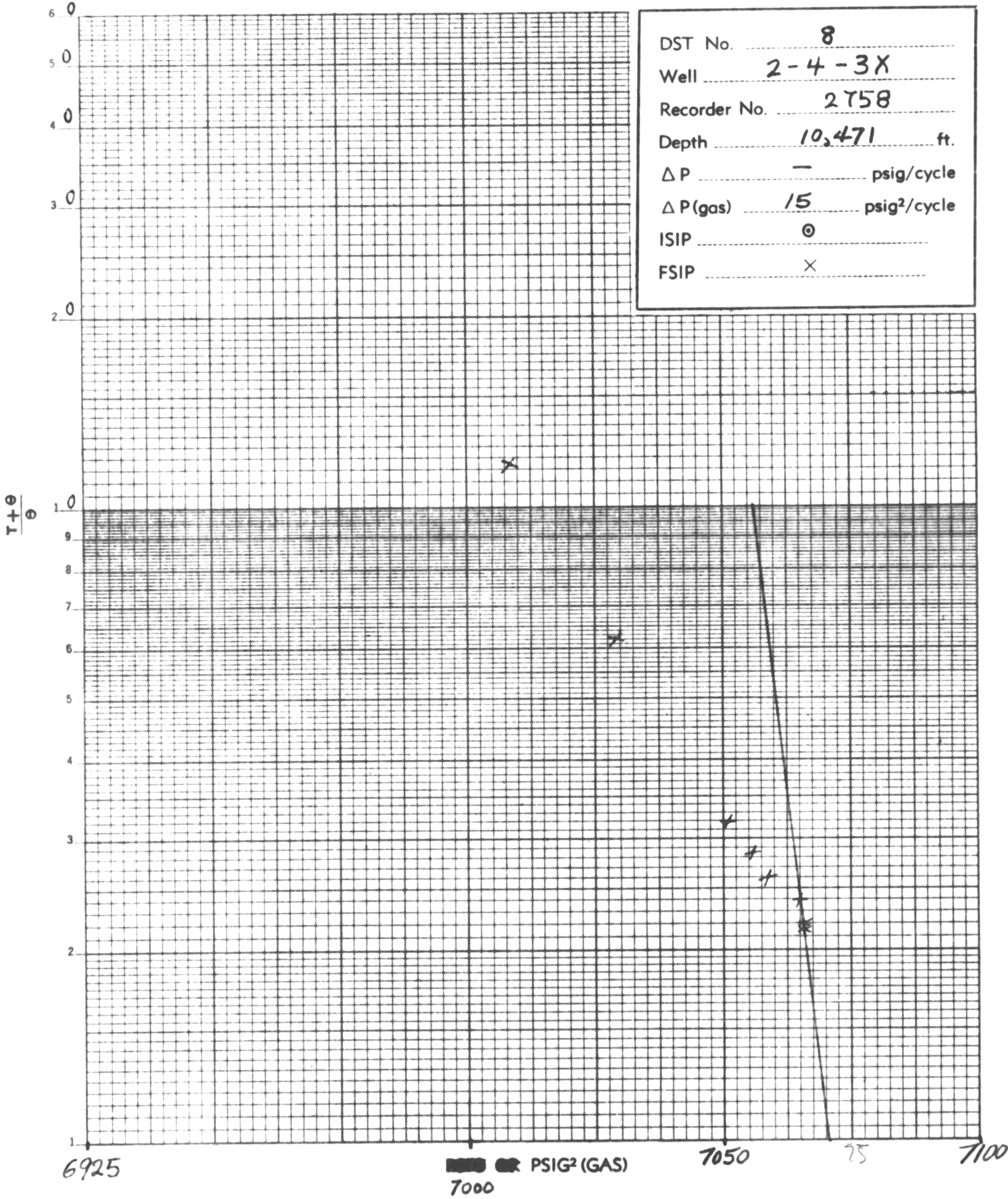
DRILLSTEM TEST NUMBER 8

NO.	O.D.	I.D.	DESCRIPTION	LENGTH	DEPTH
			Baker Test Head		
			Hydril Valve		
			Tubing above RKB Less	10.00	
9	2 7/8	2.441	6.50 lb. N-80 8R Tubing	278.92	
1		2.500	Otis SST Tree Slick Jt. & Hanger	27.00	295.92
315	2 7/8	2.441	6.50 lb. N-80 8R Tubing	9828.00	10123.92
1	4 3/8	2.441	B.J. Unloader Valve	2.00	10125.92
3	2 7/8	2.441	6.50 lb. N-80 8R Tubing	93.60	10219.52
1	5.884	2.500	B.J. FFC Packer	4.24	10223.76
7	2 7/8	2.441	6.50 lb. N-80 8R Tubing	218.40	10442.16
1	2 7/8	2.441	6.50 lb. N-80 8R tubing Perf. Jt.	31.52	10473.68
1	3 1/2	2.50	Recorder Hanger No. 2758	1.00	10474.68
1	3 1/2	2.50	Recorder case	4.00	10478.68
1	3 1/2	2.50	Recorder Hanger No. 2759	1.00	10479.68
1	3 1/2	2.50	Recorder Case	4.00	10483.68
1	3 1/2	2.50	Recorder Hanger No. 2760	1.00	10484.68
1	3 1/2	2.50	Recorder Case	4.00	10488.68
			Bottom of Tubing String, RKB	10488.68	
			Overall Length of Tubing	10498.68	

OPERATION	TIME		LENGTH OF TEST		CHOKE SIZE	WELLHEAD	
	FROM	TO	HRS.	MINS.		PRESS PSIA	TEMP °F
Flow 1	0130	0800	6	30	10.5/64	3498	69
BH Sampler	0800	1000	2	00	Various Chokes	3496	68
Flow 2	1000	1315	3	15	10.5/64	3515	72
S.I.	1315	2315	10	00	0	4124	57
Flow 3	2315	0915	10	00	3/4" & 3/4"	1200	113
Kill Well							



DST No. 8
Well 2-4-3X
Recorder No. 2758
Depth 10,471 ft.
 ΔP — psig/cycle
 $\Delta P(\text{gas})$ 15 psig²/cycle
ISIP ⊙
FSIP ×





DST PRESSURE INCREMENTS

Point A
Point B to C

Recorder No. 2758

Depth 10471

Points	INITIAL CIP				Time Defl. "	FINAL CIP		
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG		T + θ	$\frac{T + \theta}{\theta}$	PSIG
1		Point A		7946	120	Point C		3136
2	0	Point B		8369				
3	5			8208				
4	10			6840				
5	15			6086				
6	20			5358				
7	25			4989				
8	30			4978				
9	35			4887				
10	40			4762				
11	45			4654				
12	50			4470				
13	55			4287				
14	60			4751				
15	65			4346				
16	70			4033				
17	75			3616				
18	80			3481				
19	85			3325				
20	90			3190				
21	95			3249				
22	100			3119				
23	105			3041				
24	110			3022				
	115			3136				



DST PRESSURE INCREMENTS

Point C to D

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	0			3136	120			6433
2	5			4176	125			6436
3	10			6115	130			6436
4	15			6228	135			6436
5	20			6225	140			6436
6	25			6225	145			6436
7	30			6257	150			6436
8	35			6228	155			6433
9	40			6291	160			6433
10	45			6308	165			6433
11	50			6369	170			6433
12	55			6380	175			6433
13	60			6374	180			6433
14	65			6388	185			6433
15	70			6391	190			6433
16	75			6385	195			6433
17	80			6377	200			6433
18	85			6377	205			6433
19	90			6372	210			6433
20	95			6361	215			6433
21	100			6366	220			6433
22	105			6366	225			6433
23	110			6428	230			6433
24	115			6433	235			6433



DST PRESSURE INCREMENTS

Point C to D
Point D to E

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	240			6433	360			6437
2	245			6433	365			6433
3	250			6433	370			6433
4	255			6433	375	Point	D	6433
5	260			6433				
6	265			6433		Point	D to E	
7	270			6433	0			6433
8	275			6433	5			5840
9	280			6433	10			5514
10	285			6433	15			5262
11	290			6433	20			5129
12	295			6433	25			4757
13	300			6433	30			4754
14	305			6412	35			4765
15	310			6428	40			6177
16	315			6439	45			6321
17	320			6444	50			5856
18	325			6444	55			5321
19	330			6444	60			4789
20	335			6442	65			4400
21	340			6439	70			4184
22	345			6439	75			3976
23	350			6438	80			3870
24	355			6437	85			3786



DST PRESSURE INCREMENTS

Point D to E
Point E to F

Recorder No 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	90			3773	90			6420
2	95			3995	95			6423
3	100			4097	100			6425
4	105			4143	105			6426
5	110	Point	E	4170	110			6426
6					115			6426
7	0	Point	E-F	4170	120			6428
8	5			6168	125			6430
9	10			6262	130			6432
10	15			6294	135			6432
11	20			6313	140			6433
12	25			6337	145			6436
13	30			6337	150			6436
14	35			6337	155			6436
15	40			6340	160			6436
16	45			6342	165			6436
17	50			6350	170			6436
18	55			6385	175			6439
19	60			6401	180			6439
20	65			6412	185	Point	F	6439
21	70			6415				
22	75			6417				
23	80			6420				
24	85			6420				



DST PRESSURE INCREMENTS

Point F to G (Shut-in)

Recorder No. 2758

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T + θ	$\frac{T + \theta}{\theta}$	PSIG		T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	0			6439	120			7029
2	5			6872	125			7029
3	10			6925	130			7032
4	15			6947	135			7032
5	20			6963	140			7035
6	25			6974	145			7035
7	30			6981	150			7035
8	35			6989	155			7035
9	40			6995	160			7037
10	45			6997	165			7037
11	50			7003	170			7037
12	55			7005	175			7037
13	60			7008	180			7037
14	65			7011	185			7040
15	70			7013	190			7040
16	75			7016	195			7043
17	80			7016	200			7043
18	85			7019	205			7043
19	90			7021	210			7043
20	95			7022	215			7043
21	100			7024	220			7045
22	105			7026	225			7045
23	110			7027	230			7045
24	115			7027	235			7045



DST PRESSURE INCREMENTS

Point F to G

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	240			7045	360			7056
2	245			7048	365			7056
3	250			7048	370			7056
4	255			7048	375			7056
5	260			7048	380			7056
6	265			7048	385			7056
7	270			7048	390			7056
8	275			7051	395			7056
9	280			7051	400			7056
10	285			7051	405			7056
11	290			7051	410			7056
12	295			7051	415			7056
13	300			7051	420			7056
14	305			7051	425			7056
15	310			7051	430			7056
16	315			7053	435			7059
17	320			7053	440			7059
18	325			7053	445			7061
19	330			7053	450			7061
20	335			7053	455			7061
21	340			7053	460			7061
22	345			7053	465			7061
23	350			7053	470			7061
24	355			7056	475			7061



DST PRESSURE INCREMENTS

Point F to G

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	480			7064				
2	485			7064				
3	490			7064				
4	495			7064				
5	500			7064				
6	505			7064				
7	510			7064				
8	515			7064				
9	520			7064				
10	525			7064				
11	530			7064				
12	535			7064				
13	540			7064				
14	545			7064				
15	550			7064				
16	555			7064				
17	560			7066				
18	565			7066				
19	570			7066				
20	575			7066				
21	580			7066				
22	585		Point G	7066				
23								
24								



DST PRESSURE INCREMENTS

Point G to H

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	0			7066	120			3924
2	5			6781	125			3922
3	10			6455	130			3922
4	15			5931	135			3922
5	20			5476	140			3924
6	25			5129	145			3927
7	30			4892	150			3930
8	35			4687	155			3935
9	40			4435	160			3941
10	45			4260	165			3953
11	50			4119	170			3951
12	55			4033	175			3941
13	60			3954	180			3943
14	65			3865	185			3968
15	70			3870	190			3970
16	75			3849	195			3970
17	80			3887	200			3935
18	85			3897	205			3922
19	90			3911	210			3932
20	95			3914	215			4000
21	100			3914	220			4003
22	105			3922	225			3984
23	110			3930	230			4000
24	115			3930	235			4016



DST PRESSURE INCREMENTS

Point G to H

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	240			4011	360			4111
2	245			3997	365			4111
3	250			3992	370			4111
4	255			3995	375			4116
5	260			3995	380			4114
6	265			3995	385			4092
7	270			4006	390			4094
8	275			4006	395			4094
9	280			4006	400			5000
10	285			4006	405			4094
11	290			4013	410			4094
12	295			4030	415			4097
13	300			4033	420			4116
14	305			4038	425			4116
15	310			4108	430			4116
16	315			4108	435			4116
17	320			4105	440			4124
18	325			4084	445			4124
19	330			4076	450			4124
20	335			4076	455			4124
21	340			4076	460			4130
22	345			4089	465			4130
23	350			4103	470			4130
24	355			4108	475			4130



DST PRESSURE INCREMENTS

Point G to H

Recorder No. 2758

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\ominus}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\ominus}$	PSIG
1	480			4130	600			4178
2	485			4130	605			4184
3	490			4130	610	Point H		4186
4	495			4130				
5	500			4132		Point I		8803
6	505			4135				
7	510			4141		Point J		7931
8	515			4141				
9	520			4168				
10	525			4178				
11	530			4178				
12	535			4178				
13	540			4181				
14	545			4181				
15	550			4184				
16	555			4186				
17	560			4186				
18	565			4168				
19	570			4157				
20	575			4154				
21	580			4157				
22	585			4151				
23	590			4159				
24	595			4176				



DST PRESSURE INCREMENTS

Recorder No. 2759

Depth 10,479

POINT A
POINT B TO C

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG
1		Point A		7958	115			3622
2	0	Point B		8387	120			3943
3	5			8230	125			3670
4	10			7653	130			3573
5	15			6974	135			3357
6	20			6380	140			3276
7	25			5737	145			3438
8	30			5199	150			3178
9	35			4924	155			3427
10	40			5005	160			3276
11	45			5005	165			3276
12	50			4854	170	Point C		3260
13	55			4778				
14	60			4714				
15	65			4460				
16	70			4881				
17	75			4378				
18	80			4465				
19	85			4465				
20	90			4914				
21	95			4708				
22	100			4970				
23	105			3911				
24	110			4162				



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT C TO D

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T+0	$\frac{T+0}{\bullet}$	PSIG		T+0	$\frac{T+0}{\bullet}$	PSIG
1	0			3260	120			6447
2	5			3460	125			6447
3	10			6129	130			6449
4	15			6214	135			6449
5	20			6246	140			6447
6	25			6241	145			6447
7	30			6267	150			6447
8	35			6294	155			6447
9	40			6308	160			6444
10	45			6321	165			6444
11	50			6380	170			6444
12	55			6396	175			6444
13	60			6388	180			6444
14	65			6404	185			6444
15	70			6407	190			6444
16	75			6401	195			6444
17	80			6391	200			6447
18	85			6388	205			6447
19	90			6385	210			6447
20	95			6380	215			6447
21	100			6385	220			6447
22	105			6385	225			6447
23	110			6441	230			6447
24	115			6447	235			6447



DST PRESSURE INCREMENTS

POINT C TO D
POINT D TO E

Recorder No.

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T+0	$\frac{T+0}{0}$	PSIG		T+0	$\frac{T+0}{0}$	PSIG
1	240			6447	360			6447
2	245			6447	365			6444
3	250			6447	370			6444
4	255			6447	375	Point D		6444
5	260			6447				
6	265			6447		Point D to E		
7	270			6447	0			6444
8	275			6447	5			5984
9	280			6447	10			5640
10	285			6447	15			5361
11	290			6447	20			5204
12	295			6447	25			4903
13	300			6447	30			4754
14	305			6428	35			4762
15	310			6441	40			6096
16	315			6452	45			6321
17	320			6454	50			6038
18	325			6454	55			5452
19	330			6454	60			4946
20	335			6454	65			4568
21	340			6454	70			4189
22	345			6452	75			4060
23	350			6449	80			3908
24	355			6449	85			3838



DST PRESSURE INCREMENTS

POINT D TO F
POINT E TO F

Recorder No.

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T+0	$\frac{T+0}{0}$	PSIG		T+0	$\frac{T+0}{0}$	PSIG
1	90			3800	90			6519
2	95			4114	95			6521
3	100			4235	100			6524
4	105			4319	105			6527
5	110	Point E		4316	110			6527
6					115			6530
7	0	Point E to F		4316	120			6530
8	5			6235	125			6538
9	10			6242	130			6538
10	15			6407	135			6538
11	20			6439	140			6540
12	25			6474	145			6540
13	30			6482	150			6543
14	35			6492	155			6540
15	40			6498	160			6540
16	45			6503	165			6540
17	50			6508	170			6543
18	55			6495	175			6543
19	60			6503	180			6543
20	65			6508	185	Point F		6543
21	70			6511				
22	75			6514				
23	80			6516				
24	85			6519				



DST PRESSURE INCREMENTS

POINT F T O G

Recorder No.

Depth

Points	INITIAL CIP			FINAL CIP				
	Time Defl. "	T+G	$\frac{T+G}{G}$	PSIG	Time Defl. "	T+G	$\frac{T+G}{G}$	PSIG
1	0			6543	120			7040
2	5			6872	125			7040
3	10			6931	130			7043
4	15			6960	135			7043
5	20			6974	140			7043
6	25			6987	145			7043
7	30			6995	150			7313
8	35			7000	155			7313
9	40			7005	160			7313
10	45			7011	165			7313
11	50			7014	170			7049
12	55			7016	175			7049
13	60			7019	180			7049
14	65			7022	185			7051
15	70			7024	190			7051
16	75			7027	195			7051
17	80			7029	200			7051
18	85			7032	205			7054
19	90			7032	210			7054
20	95			7035	215			7054
21	100			7035	220			7054
22	105			7038	225			7054
23	110			7038	230			7054
24	115			7040	235			7057



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT F TO G

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG
1	240			7057	360			7068
2	245			7057	365			7068
3	250			7057	370			7068
4	255			7057	375			7068
5	260			7057	380			7068
6	265			7057	385			7068
7	270			7057	390			7068
8	275			7059	395			7068
9	280			7059	400			7068
10	285			7059	405			7068
11	290			7059	410			7068
12	295			7062	415			7068
13	300			7062	420			7068
14	305			7062	425			7070
15	310			7062	430			7070
16	315			7062	435			7070
17	320			7062	440			7070
18	325			7065	445			7070
19	330			7065	450			7070
20	335			7065	455			7070
21	340			7065	460			7070
22	345			7065	465			7073
23	350			7065	470			7073
24	355			7065	475			7073



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT F TO G

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG
1	480			7073				
2	485			7073				
3	490			7073				
4	495			7073				
5	500			7073				
6	505			7073				
7	510			7073				
8	515			7073				
9	520			7073				
10	525			7073				
11	530			7073				
12	535			7076				
13	540			7076				
14	545			7076				
15	550			7076				
16	555			7076				
17	560			7076				
18	565			7076				
19	570			7076				
20	575			7076				
21	580	Point G		7076				
22								
23								
24								



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT G TO H

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T+0	$\frac{T+0}{0}$	PSIG		T+0	$\frac{T+0}{0}$	PSIG
1	0			7076	120			4046
2	5			6722	125			4043
3	10			6396	130			4040
4	15			5941	135			4043
5	20			5479	140			4043
6	25			5129	145			4049
7	30			4919	150			4049
8	35			4708	155			4049
9	40			4465	160			4060
10	45			4292	165			4060
11	50			4189	170			4049
12	55			4135	175			4043
13	60			4060	180			3987
14	65			4141	185			3987
15	70			4057	190			3987
16	75			4084	195			3984
17	80			4065	200			3930
18	85			4051	205			3933
19	90			4043	210			3943
20	95			4092	215			4011
21	100			4087	220			4006
22	105			4054	225			4011
23	110			4051	230			4024
24	115			4051	235			4024



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT 5 TO H

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG	Time Defl. "	T+0	$\frac{T+0}{0}$	PSIG
1	240			4016	360			4111
2	245			4006	365			4111
3	250			4000	370			4114
4	255			4000	375			4114
5	260			4000	380			4108
6	265			4000	385			4097
7	270			4016	390			4100
8	275			4013	395			4103
9	280			4011	400			4106
10	285			4011	405			4103
11	290			4030	410			4103
12	295			4033	415			4108
13	300			4038	420			4122
14	305			4089	425			4122
15	310			4114	430			4122
16	315			4114	435			4130
17	320			4106	440			4130
18	325			4007	445			4130
19	330			4081	450			4127
20	335			4078	455			4135
21	340			4081	460			4135
22	345			4097	465			4135
23	350			4108	470			4135
24	355			4111	475			4135



DST PRESSURE INCREMENTS

Recorder No.

Depth

POINT G TO H

Points	Time Diff. "	INITIAL CIP			Time Diff. "	FINAL CIP		
		T+0	$\frac{T+0}{0}$	PSIG		T+0	$\frac{T+0}{0}$	PSIG
1	480			4133	600			4324
2	485			4133	605	Point H		4324
3	490			4135				
4	495			4135				
5	500			4141		Point I		8826
6	505			4141				
7	510			4141				
8	515			4165				
9	520			4178				
10	525			4181				
11	530			4181				
12	535			4184				
13	540			4184				
14	545			4186				
15	550			4189				
16	555			4192				
17	560			4195				
18	565			4162				
19	570			4160				
20	575			4162				
21	580			4351				
22	585			4346				
23	590			4333				
24	595			4324				



DST PRESSURE INCREMENTS

Point A
Point B to C

Recorder No. 2760

Depth 10484

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + 0	$\frac{T + 0}{\ominus}$	PSIG	Time Defl. "	T + 0	$\frac{T + 0}{\ominus}$	PSIG
1		Point A		7971	115			3454
2	0	Point B		8390	120	Point C		3446
3	5			8216				
4	10			7637				
5	15			6856				
6	20			6102				
7	25			5353				
8	30			5005				
9	35			4924				
10	40			4962				
11	45			4962				
12	50			5003				
13	55			4554				
14	60			4864				
15	65			4795				
16	70			4372				
17	75			4272				
18	80			4223				
19	85			3905				
20	90			3832				
21	95			3573				
22	100			3462				
23	105			3538				
24	110			3527				



DST PRESSURE INCREMENTS

Point C-D

Recorder No 2760

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T + θ	$\frac{T + \theta}{\theta}$	PSIG		T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	0			3446	120			6540
2	5			4006	125			6543
3	10			6171	130			6543
4	15			6380	135			6543
5	20			6428	140			6543
6	25			6439	145			6545
7	30			6462	150			6545
8	35			6489	155			6545
9	40			6503	160			6545
10	45			6514	165			6545
11	50			6514	170			6545
12	55			6519	175			6545
13	60			6530	180			6545
14	65			6530	185			6548
15	70			6535	190			6548
16	75			6537	195			6548
17	80			6540	200			6548
18	85			6543	205			6548
19	90			6545	210			6548
20	95			6543	215			6551
21	100			6545	220			6551
22	105			6521	225			6551
23	110			6535	230			6551
24	115			6537	235			6551



DST PRESSURE INCREMENTS

Point C to D
Point D to E

Recorder No. 2760

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T + 0	$\frac{T+0}{0}$	PSIG		T + 0	$\frac{T+0}{0}$	PSIG
1	240			6551	360			6551
2	245			6551	365	Point	D	6551
3	250			6551				
4	255			6551		Point	D to E	
5	260			6551	0			6551
6	265			6551	5			6134
7	270			6551	10			5770
8	275			6551	15			5486
9	280			6551	20			5294
10	285			6551	25			5005
11	290			6551	30			4973
12	295			6537	35			4935
13	300			6548	40			6305
14	305			6551	45			6428
15	310			6553	50			5893
16	315			6553	55			5265
17	320			6553	60			4883
18	325			6553	65			4438
19	330			6553	70			4212
20	335			6553	75			4131
21	340			6551	80			4052
22	345			6551	85			4291
23	350			6551				
24	355			6551				



DST PRESSURE INCREMENTS

Point D to E
Point E to F

Recorder No. 2760

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG	Time Defl. "	T + θ	$\frac{T + \theta}{\theta}$	PSIG
1	90			4304	90			6559
2	95			4397	95			6562
3	100			4430	100			6564
4	105			4446	105			6567
5	110	Point	E	4446	110			6570
6					115			6570
7	0	Point	E to F	4446	120			6572
8	5			6284	125			6572
9	10			6380	130			6572
10	15			6428	135			6575
11	20			6460	140			6575
12	25			6489	145			6575
13	30			6503	150			6575
14	35			6511	155			6575
15	40			6521	160			6578
16	45			6530	165			6578
17	50			6535	170			6578
18	55			6535	175			6578
19	60			6540	180	Point	F	6578
20	65			6545				
21	70			6551				
22	75			6553				
23	80			6556				
24	85			6556				



DST PRESSURE INCREMENTS

Point F to G

Recorder No. 2760

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG
1	0			6578	120			7038
2	5			6872	125			7040
3	10			6936	130			7040
4	15			6960	135			7043
5	20			6976	140			7043
6	25			6987	145			7043
7	30			6997	150			7043
8	35			7000	155			7046
9	40			7005	160			7046
10	45			7011	165			7046
11	50			7013	170			7046
12	55			7016	175			7049
13	60			7019	180			7049
14	65			7022	185			7049
15	70			7024	190			7049
16	75			7027	195			7051
17	80			7030	200			7051
18	85			7030	205			7051
19	90			7032	210			7051
20	95			7032	215			7054
21	100			7035	220			7054
22	105			7035	225			7054
23	110			7038	230			7054
24	115			7038	235			7057



DST PRESSURE INCREMENTS

Point F to G

Recorder No. 2760

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + Θ	$\frac{T + \Theta}{\Theta}$	PSIG	Time Defl. "	T + Θ	$\frac{T + \Theta}{\Theta}$	PSIG
1	240			7057	360			7065
2	245			7057	365			7065
3	250			7057	370			7065
4	255			7057	375			7065
5	260			7057	380			7065
6	265			7057	385			7065
7	270			7059	390			7065
8	275			7059	395			7067
9	280			7059	400			7067
10	285			7059	405			7067
11	290			7059	410			7067
12	295			7059	415			7067
13	300			7059	420			7067
14	305			7059	425			7067
15	310			7059	430			7067
16	315			7059	435			7067
17	320			7062	440			7070
18	325			7062	445			7070
19	330			7062	450			7070
20	335			7062	455			7070
21	340			7062	460			7070
22	345			7062	465			7070
23	350			7065	470			7070
24	355			7065	475			7070



DST PRESSURE INCREMENTS

Point F to G

Recorder No. 2760

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG
1	480			7070				
2	485			7070				
3	490			7070				
4	495			7070				
5	500			7070				
6	505			7070				
7	510			7073				
8	515			7073				
9	520			7073				
10	525			7073				
11	530			7073				
12	535			7073				
13	540			7073				
14	545			7073				
15	550			7073				
16	555			7073				
17	560			7073				
18	565	Point	G	7073				
19								
20								
21								
22								
23								
24								



DST PRESSURE INCREMENTS

Point G to H

Recorder No. 2760

Depth

Points	INITIAL CIP			FINAL CIP				
	Time Defl. "	T + 0	$\frac{T+0}{0}$	PSIG	Time Defl. "	T + 0	$\frac{T+0}{0}$	PSIG
1	0			7073	120			4114
2	5			6780	125			4117
3	10			6457	130			4117
4	15			5960	135			4114
5	20			5433	140			4111
6	25			5075	145			4111
7	30			4869	150			4117
8	35			4598	155			4122
9	40			4364	160			4114
10	45			4229	165			4103
11	50			4158	170			4120
12	55			4084	175			4147
13	60			4169	180			4150
14	65			4065	185			4147
15	70			4098	190			4087
16	75			4076	195			4071
17	80			4076	200			4079
18	85			4103	205			4155
19	90			4109	210			4125
20	95			4114	215			4152
21	100			4117	220			4163
22	105			4114	225			4139
23	110			4114	230			4131
24	115			4117	235			4103



DST PRESSURE INCREMENTS

Point G to H

Recorder No. 2760

Depth

Points	INITIAL CIP				FINAL CIP			
	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG	Time Defl. "	T + ●	$\frac{T + ●}{●}$	PSIG
1	240			4095	360			4226
2	245			4050	365			4231
3	250			4098	370			4226
4	255			4109	375			4226
5	260			4111	380			4223
6	265			4111	385			4218
7	270			4111	390			4218
8	275			4120	395			4220
9	280			4136	400			4245
10	285			4136	405			4245
11	290			4142	410			4242
12	295			4209	415			4247
13	300			4209	420			4247
14	305			4201	425			4247
15	310			4177	430			4247
16	315			4171	435			4256
17	320			4171	440			4258
18	325			4171	445			4256
19	330			4193	450			4253
20	335			4212	455			4250
21	340			4212	460			4250
22	345			4212	465			4250
23	350			4209	470			4253
24	355			4226	475			4256



DST PRESSURE INCREMENTS

Point G to H

Recorder No.2760

Depth

Points	Time Defl. "	INITIAL CIP			Time Defl. "	FINAL CIP		
		T + 0	$\frac{T + 0}{\bullet}$	PSIG		T + 0	$\frac{T + 0}{\bullet}$	PSIG
1	480			4258				
2	485			4258				
3	490			4261				
4	495			4293				
5	500			4299				
6	505			4315				
7	510			4315				
8	515			4318				
9	520			4321				
10	525			4321				
11	530			4321				
12	535			4321				
13	540			4367				
14	545			4370				
15	550			4370				
16	555			4370				
17	560			4378				
18	565			4359				
19	570			4357				
20	575			4348				
21	580			4351				
22	585	Point	H	4353				
23		Point	I	8824				
24		Point	J	7933				

9000
8000
7000
6000
5000
4000
3000
2000
1000

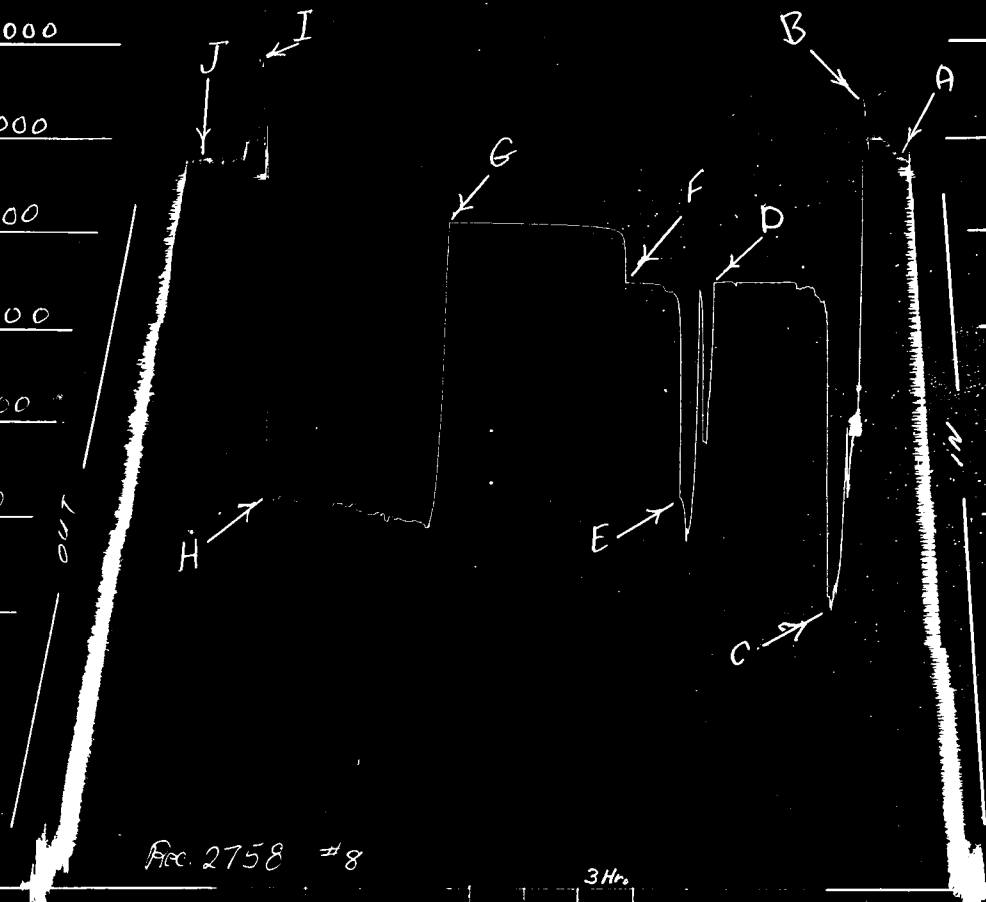
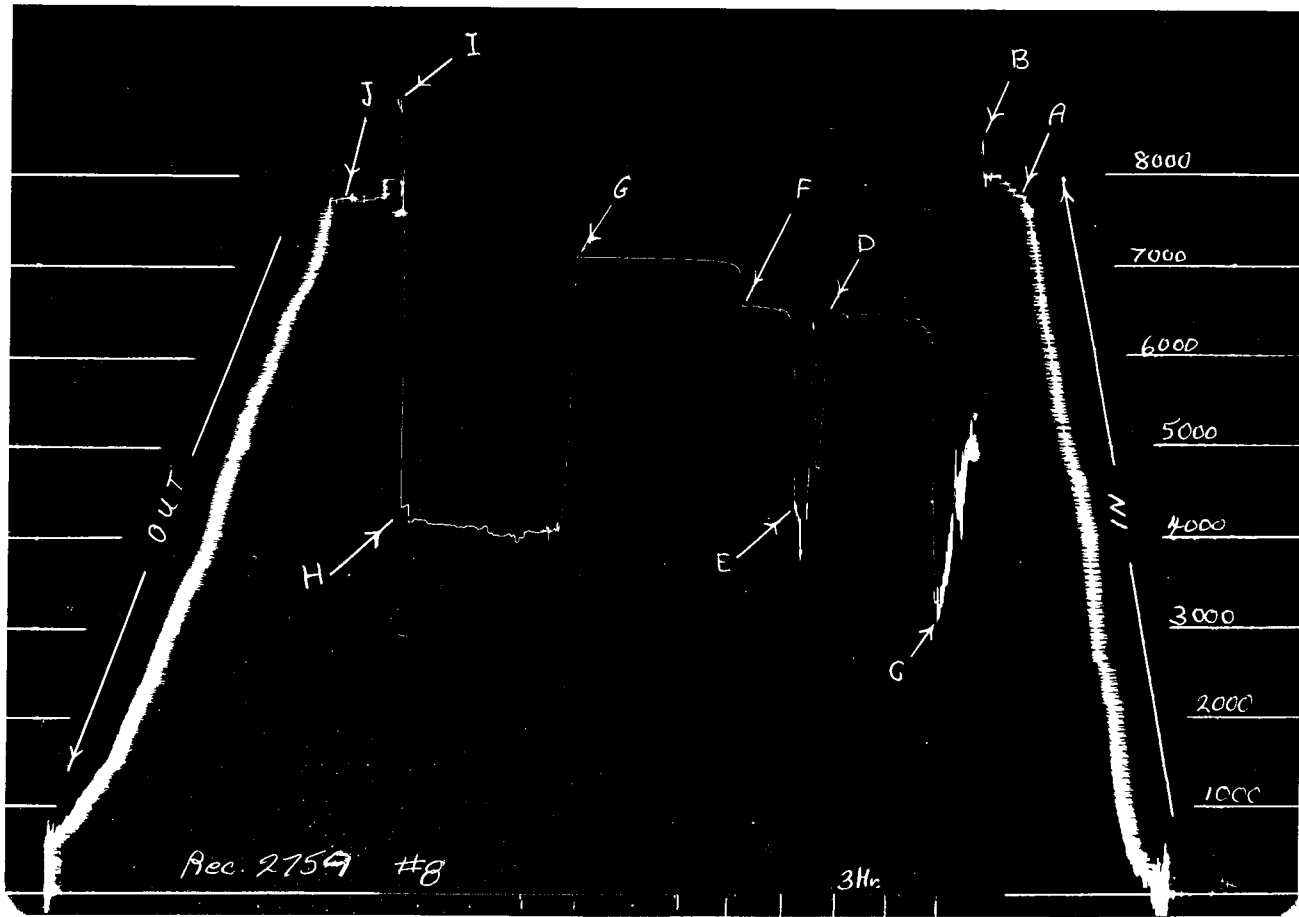


FIG. 2758 #8

3 Hr.



Rec. 2759 #8

3Hr.

